INDICES

THE BOTANICAL REVIEW

Volumes I-V 1935 - 1939

Index to Articles	2
Index to Subject Matter	7
Index to Authors	<i>(</i>



INDEX TO ARTICLES

Algae

Remarks on the life-history of the Rhodophyceae 1: Reproduction and life-history in diatoms 1: The Oedogoniales 2: Phaeophycean life-histories in relation to classification 2: Nuclear phases and alternation of generations in the Chlorophyceae 4: Comments on fresh-water Rhodophyceae 4: Comments Rhodophyceae 4: Comments Rhodop	149 456 554
Bryophytes	
The relationships of the Hepaticae 2: The classification of the Hepaticae 5: The genetics of bryophytes 1:	53 49 269
Cytology	
The structure of protoplasm The structure of the walls of the higher plants The cytological analysis of species-hybrids The cytological analysis of species-hybrids The genetics of bryophytes The cytology of host-parasite relations The cytology of host-parasite relations Cytology of cereals Cytoplasmic inclusions of the Phytomastigoda Cenetics of polyploidy Some aspects of the cytogenetics of Oenothera Chromosome structure in relation to the chromosome cycle The plant vacuole Cytology in its relation to taxonomy Improvements in plant cytological technique Cytology of bacteria Cytology of bacteria Cytology of bacteria Recent investigations in vivo on the division of plant cells The structure of the chloroplast	269 292 327 467 85 197 316 529 1 335 241 83 446 497 1 132 351
Ecology	
The present status of the plant association 1: Light as an ecological factor and its measurement 1: Ecology of the grassland 4: Plant indicators—concept and status 5: The classification of life-forms of plants 5: Pollen analysis as a paleo-ecological research method 5:	355 51 155 546
Genetics	
The cytological analysis of species-hybrids 1: Unstable genes 1: The genetics of bryophytes 1: The cytogenetics of maize 1: Genetics of polyploidy 2: Some aspects of the cyto-genetics of Oenothera 2: Wild species-hybrids in the phanerogams 3:	233 269 292 197 316

ARTICLES

Plasmatic inheritance The genetics of incompatibilities in homomorphic flowering plants	4: 4:2 5:	~ ~
Radiation and plant cytogenetics	5:	1
Miscellaneous		
Domesticated plants in relation to the diffusion of culture	4: 5:	505
Morphology and Anatomy		
A review of researches concerning floral morphology The gymnosperms Some views on the morphology and phylogeny of the leafy vascular sporophyte 1: 3 Evolution of pollen grains Leaf differentiation in angiosperms Palaeobotany and the origin of the angiosperms Contemporary understanding of embryo-sac development among angiosperms Vegetative reproduction in the fern sporophyte Chimaeras: a summary and some special aspects The Devonian floras and their bearing on the origin of vascular plants Cleistogamic flowers The morphology of the flower Development and structure of the phloem tissue Problems of structure, growth and evolution in the shoot apex of seed plants	83, 2: 2: 2: 3: 3: 4: 5:	67 349 397 565 457 545 563 21 97 373
Mycology and Pathology		
Possibilities in plant virus classification Physiologic specialization of the parasitic fungi The cytology of host-parasite relations Contemporary understanding of bacterial plant diseases and their causal organisms Insects in relation to plant diseases The relation of weather to fungous and bacterial diseases The physiology of host-parasite relations Plant tumors and their relation to cancer The present status of seed treatment, with special reference to cereals Recent developments in fungicides: Spray materials Recent fluctuations in plant diseases in the United States Bacteriophage in relation to plant diseases Cytology of bacteria The production of chemicals by filamentous fungi Competition among fungi Principles and problems of mushroom culture Departures from ordinary methods in controlling plant diseases 4: Association effects of fungi Some anatomical aspects of plant virus disease problems The heavy metal nutrition of fungi Transmission of plant viruses by insects Injuries to plants caused by insect toxins Growth of fungi in synthetic nutrient solutions	1: 1: 1: 2: 2: 3: 4: 4: 4: 4: 4: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5:	327 405 448 497 236 439 439 586 586 140 83 140 165 548 548 548 549 647 548 548 549 649 649 649 649 649 649 649 6

Palaeobotany

그는 이 사람이 되는 사람들이 되었다. 그는 그는 그들은 그들은 그들은 그들은 그들은 그들은 그들은 그들은 그를 모르는 것이다.			
Glacial and postglacial vegetation	1:	37	
The gymnosperms . Some views on the morphology and phylogeny of the leafy vascular sporophyte.	. 1:	183	
Palaeobotany and the origin of the angiosperms Tertiary floras of eastern North America The Devonian floras and their hearing mon the origin of rescale	383, 2: 3:	427 397 31	
plants Paleozoic seeds Paleoecological interpretations of Cenozoic plants in western North	3; 4;	205	
America Pollen analysis as a paleoecological research method	. 4: . 5:	627	
Physiology			
	5 B		
Auxin, the plant growth-hormone Respiration Light as an ecological factor and its measurement The role of light in the life of plants The essential nature of certain minor elements for plant nutrition The physiology of host-parasite relations The absorption of electrolytes in large plant cells Plants made poisonous by selenium absorbed from the soil Plant tissue cultures The chemistry and physiology of the pectins The migration of solutes The nitrogen nutrition of green plants Geotropism in plants Recent work on photoperiodism Some aspects of the salt nutrition of higher plants Pigmentation in plants, exclusive of the algae Symbiotic nitrogen-fixation by the Leguminosae Recent advances in the physiology of latex The role of vitamins in plant development The production of chemicals by filamentous fungi Competition among fungi Distinctive plant symptoms caused by deficiency of any one of the chemical elements essential for normal development Life-span of seeds Association effects of fungi The water relations of plant cells Physiological aspects of sex in angiosperms Radiation and plant cytogenetics The heavy metal nutrition of fungi	1: 2: 1: 2: 2: 2: 2: 2: 3: 3: 3: 3: 3: 3: 3: 3: 4: 4: 4: 4: 4: 4: 5:	249 355 173 236 283 3419 475 47 85 175 195 259 307 365 522 616 140 165 183 235 475 531 581	
Growth of fungi in synthetic nutrient solutions	5.	327	
Phototropism	. 5:	655	
Pteridophytes			
		150	
Vegetative reproduction in the fern sporophyte	. 3: . 5:	433	
Taxonomy			
Cytology in its relation to taxonomy	2.	33E	
Some fundamental problems of taxonomy and phylogenetics	. 3: . 3:	400 425	
[- [- [- [- [- [- [- [- [- [-			

Technique

The present status of seed treatment, with special reference to cereals	2:	498
Recent advances in the standardization and improvement of biological		
stains	3:	72
Improvements in plant cytological technique		
Techniques for the isolation of single microorganisms		
Vital-staining of plant cells	5:	351
Methods of tissue preparation for analysis in physiological studies with		
plants	5:	531

INDEX TO SUBJECT MATTER

Page numbers in italics refer to entire articles devoted to the subjects. Roman numbers refer to incidental mention.

Α

a-amino-b-hydroxy-n-butyric acid, 3: 622 abaca (see also Musa), 1: 3, 5, 7, 8 Abics (see also fir), 1: 198; 2: 73, 83; 3: 344; 5: 189, 193, 461, 462, 638, 642-646 Abietaceae, 1: 194-196; 5: 458 Abietaceae, 3: 343, 344 Abietineae, 2: 73, 75 abscission, 2: 489 Abidia, 3: 634; 4: 478, 484; 5: 339 absorption of electrolytes, 2: 283 absorption spectrum, 4: 514 abundance, 4: 52, 53, 65 Abutilon, 1: 10; 4: 252, 253, 256, 263, 558; 5: 474 Acacia (see also wattle), 3: 596; 4: 252, 253; 5: 187 Acaena, 3: 600 Acalypha, 2: 48 Acanthaceae, 4: 43 Acanthophippium, 4: 501, 509 acarpy, 5: 113 Acaulium, 5: 214, 225 accessory growth substance (see also auxin and growth substance), 2: 427, 3: 373, 616; 4: 484; 5: 338 accumulation of electrolytes, 2: 294 acenaphthene, 5: 345 acentric, 5: 563 Acer (see also maple), 2: 357, 365, 367; 3: 522; 4: 238, 239, 269, 376, 380, 382, 384, 388, 519; 5: 193, 420, 421, 644, 648

Acerates, 3: 35 Aceratogallia, 5: 246 Acetabularia, 4: 134 acetaldehyde, 4: 146 acetic acid, 2: 303, 516; 3: 197, 245; 4: 513 acetocarmine, 3: 241 acetylene, 4: 590, 604 achene, 5: 114 Achillea (see also yarrow), 4: 586; 5: 172, 189, 192 achira, 4: 16 Achlya, 5: 328, 335, 340, 343 Achnanthes, 1: 158 Achras (see also sapodilla), 3: 522, Aciachne, 4: 34

acid fuchsin, 3: 76

acidity and disease, 2: 258, 269 acids, 2: 284-286 Aconitum, 5: 117, 127 Acorus (see also Calamus), 3: 35; 4: 245 Acrobolbus, 5: 60, 80, 91 Acrochaetium, 4: 667 Acrocomia, 4: 242 Acrogynaceae, 5: 52, 86–88 Acrogynae, 2: 55, 61–64; 5: 56, 61–67, 71–74, 78, 79, 85, 89 Acromastigum, 5: 65, 70, 71, 91 acronecrosis, 4: 550, 556 Acrostichum, 3: 37, 38, 43, 469, 470 Actaea, 5: 187 Actinococcus, 1: 145, 146 Actinomyces, 3: 507; 4: 166, 437, 479, 482, 490, 646 Actinomycetes, 4: 409; 5: 332 Ada, 3: 356, 358 adaptation forms, 5: 557 addition colors, 3: 352 Adelanthus, 5: 91 Adelphocoris, 5: 281 Adiantum, 3: 357, 460, 474, 476, 478, 484, 485, 492 adnation, 5: 103 adonitol, 5: 329 Adoxa, 2: 566, 573, 574 adrenalin, 2: 306 Aechmanthera, 4: 23
Aecidium, 1: 335, 340-344, 354
Aedes, 5: 246, 249, 253
Aegilops, 1: 104, 110, 468, 470, 471,
474, 480, 481; 3: 605
Aegilotrichum, 1: 472, 481, 482, 485 aesculin, 5: 491 Aesculus (see also buckeye and horsechestnut), 1: 112; 2: 211; 5: 377, 421, 481 Aetheotesta 2: 70; 4: 222, 223, 238 Agallia, 1: 5, 6, 459, 460 agamospecies, 3: 413 agar, 4: 85 agar plate, 4: 628 + agar suspension, 4: 629 Agardhiella, 1: 142, 143 Agaricus, 4: 397-417; 5: 328, 329 Agathis, 2: 72, 83 Agavaceae, 3: 346 Agave, 3: 346, 355; 4: 35; 5: 135 Agropyron (see also wheatgrass), 1: 335, 468, 472-475; 3: 348, 596; 4:

56-59, 69, 72-75; 5: 163, 164, 174, 176, 177, 180, 191 agrosan, 2:518 Agrostemma, 3: 268; 4: 257, 259 Agrostis (see also redtop), 3: 601; 4: 62; 5: 189 Ahnfeldtia, 1: 146 air chambers, 2: 55-60 Aitchisoniella, 5: 94 akarinosis, 5: 297 akinetes, 2: 466 akinetic, 5: 563 Alangiophyllum, 4: 373 Alangium, 4: 373 alanine, 3: 620; 5: 338 albedo, 2: 484 Albizsia, 4: 253; 5: 285 Albugo, 1: 125, 126 albuminous cells, 5: 410 Alchemilla, 2: 581 alcohol-chloroform, 3: 249 aldehyde, 2: 261 alder (see also Alnus), 1: 40; 5: 189 Alethopteris, 4: 218-220, 223, 230 Aleurites (see also tung), 1: 408 aleurone layer, 3:88 Aleyrodidae, 5: 277 alfalfa (see also *Medicago*), 1: 412, 2: 43, 264, 389, 390, 517; 3: 196, 197, 367, 370, 375; 4: 190, 192, 193 alfilaria (see also *Erodium*), 5: 176 algae, 1: 138, 149; 2: 53, 456, 554; 3: 589; 4: 91, 132, 631, 665, 670; 5: 135, 356, 361, 435 Alisma, 2: 132, 570; 4: 243–246, 270 Alismataceae, 2: 75, 581; 5: 117 Alismatineae, 5: 127 alizarin red, 3: 245 alkali disease, 2: 373, 394 alkali heath, 5: 165, 190 allantoic acid, 4: 155 allassotonic movement, 5: 655 Allenrolfea, 5: 165 Allium (see also onion), 1: 102, 254; 2: 103, 127, 245, 538, 542; 3: 4; 4: 452; 5: 13, 21, 24, 143, 144, 148, 353, 356, 357, 360, 361, 435, 672, 674 alloheteroploid, 2: 197 alloionbyly 4: 571 alloiophylly, 4: 571 Allophylus, 4: 382 allopolyploidy, 1: 108, 110-113, 469, 480; 2: 197; 3: 339, 340, 414, 598, 599, 610; 4: 336 allosyndesis, 2: 200-205 allotetraploids, 2: 200-205 allyl thiourea, 4: 584 almond (see also Amygdalus), 2: 441; 4: 17 Alnus (see also alder), 4: 376-380, 384, 388; 5: 635, 643, 645, 646

Alobiella, 5: 91 Aloë, 1: 405; 2: 575; 3: 604; 5: 534 Alopecurus, 4: 55 alpha curl, 1: 8 alpha particles, 5: 16 alpine vegetation, 5: 546 Alseuosmia, 3: 607 Alsine, 4: 257 Alsophila, 3: 475, 478; 5: 437, 438 Alstroemeria, 1: 85; 2: 352, 353 Alternaria, 2: 503 alum spray, 2: 592 aluminum, 2: 187, 261, 592; 5: 211. 337 aluminum sulphate, 2: 592 alveolar hypothesis, 1: 18, 19 alveolar spheres, 1: 19 alveolus, 1: 18, 19 Amanita, 4: 170 Amaranthaceae, 4: 259 Amaranthus (see also tumbleweed), 3: 103; 4: 16, 59, 257-262; 5: 191, Amaryllidaceae, 1: 85; 3: 346; 4: 35; 5: 106 Amblystegium, 1: 269, 280 Ambrosia (see also ragweed), 4: 256-258 Amelancheir (see also serviceberry), Amentiferae, 2: 77; 4: 598; 5: 97-99 amines, 2: 261 amino acids, 1: 29; 2: 423–425; 3: 87 +, 159, 207, 219, 386 +, 622, 630; 4: 405; 5: 332, 333, 339, 340 amitosis, 2: 448 ammonia, 2: 261, 287, 289, 537; 3: 85+; 4: 487; 5: 334 ammoniacal copper carbonate, 2: 591 ammoniacal ruthenium oxychloride, 2: 483 ammonium, 2: 289, 303; 3: 86, 112-145, 152; 5: 331-334 ammonium acid carbonate, 2: 287, 290 ammonium chloride, 2: 287-290 ammonium hydroxide, 2: 286, 518 ammonium nitrate, 4: 141, 144, 405; **5**: 209, 211, 332 ammonium oxalate, 2: 484, 485 ammonium sulphate, 2: 516, 518; 5: Amoeba, 4: 643; 5: 141 Ampelomyces, 4: 477 Amphicarpa, 4: 24, 30, 32, 37 Amphicarpum, 4: 33 amphidiploidy, 1: 111-113, 480, 486; 3: 340-342, 412, 413, 594-599; 5:

amphigastria, 2: 62 amphimixis, 3: 490 amphipolyploidy, 3: 413 Amphorophora, 1: 4, 5; 5: 267 Amsonia, 3: 359 Amygdalus (see also almond and peach), 3: 35 amyloid, 2: 464 amylolysis, 4: 516 amylose, 5: 227 Anabaena, 3: 215 Anacampseros, 4: 30 Anacardiaceae, 3: 35 Anachoropteridae, 1: 427 Anachoropteris, 1: 442 Anacrogynaceae, 5: 52, 86–88 Anacrogynae, 2: 61-64; 5: 53, 61, 72, 73, 79, 89 Anagallis, 3: 359; 4: 254 analytic characteristics, 4: 52, 73 anaphase, 2: 529-547; 5: 146, 147, 563 a-naphthol, 2: 594 Anastrepta, 5:91 Anastrophyllum, 5: 91 anatomy, morbid, 4: 548 Anchusa, 2: 581; 3: 14, 345 Anderson hypothesis 1: 43; 5: 639 Androcryphia, 2: 63: 5: 93 Andropogon, 4: 55, 56, 58, 63, 72, 73, 75: 5: 121, 162-184 Androsace, 5: 121 androsporangium, 2: 467-469 androspores, 2: 467-469 anecrotic mosaic, 4: 556 Aneimia, 3: 473, 478, 480, 486; 5: Ancimites, 4: 224, 225, 229 Anemia, 3: 35, 37 Anemone, 2: 224; 3: 604; 4: 571; 5: 116, 117 aneuploidy, 1: 109, 271, 273, 312; 2: Aneura, 2: 55, 58, 59, 61 Aneuraceae, 2: 61; 5: 87-89 Aneurophyton, 1: 395, 398, 399; 2: 405; 3: 575-577 Angiopteris, 3: 459, 484 angiospermy, 2: 413; 3: 421; 5: 114 Angstrom unit, 1: 66; 2: 2. angular leaf spot, 2: 255; 5: 283 anilin blue, 5: 375, 387, 391 anilin yellow, 5: 352 aniline, 2: 306 Anisogonium, 3: 467, 474 anisophylly, 5: 54, 55 anisotropic substances 1: 56, 58; 2: 477; 4: 515 Ankyropteris, 1: 428, 431, 437, 438 Annularia, 4: 216

Anoda, 4: 253 anodic, 4: 587 Anogramma, 3: 461, 476 Anomoclada, 5: 91 Anona (see also custard apple, cherimoya and soursop) 4: 382 Anonaceae, 2: 401, 402 Anoplolejeunea, 5: 92 antagonism, 2: 241; 4: 165, 477, 479, 487, 493 Antennaria, 2: 581; 4: 67 Anthelia, 5: 67, 90 Anthemis, 4: 257 anther smut of pink, 1: 449 antheridium, 2: 56, 456, 468, 469 Anthistiria, 5: 184 Anthoceros, 1: 271, 273, 281; 2: 53, 58; 3: 588; 4: 517, 519; 5: 5, 50, 58, 80, 94, 435 Anthocerotaceae, 2: 53, 56; 5: 87, 89, Anthocerotae, 5:88 Anthocerotales, 2: 53; 5: 51, 52, 55, 58-60, 72, 79, 80, 84, 87-89, 94 Anthocerotes, 2: 53, 54, 56 anthochlore, 3: 355 anthocyanin, 2: 7, 11; 3: 352, 353, 358-360 Antholithus, 1: 88; 2: 408 anthophein, 3: 357, 360 anthoxanthin, 3: 354, 355 anthracnose, 2: 504–506; 4: 677; 5: anthraquinone, 3: 245 Anthyllis, 4: 251 antibiosis, 4: 174, 477 antipodal structures, 2: 568-582 Antirrhinum (see also snapdragon), 1: 234-240; 3: 401; 4: 26, 298, 306-310; **5**: 4, 9, 10, 14, 17, 19, 21, 24, 26, 195. Antithamnion, 1: 142 Antrophytum, 3: 474 anyu, 4: 16 Apeibopsis, 3: 42 apex, morphology of, 5: 454 Aphanolejeunea 5: 93 Aphanomyces, 2: 518; 5: 335, 340 aphids (see also Aphis), 5: 274, 288-290 Aphis (see also aphids) 1: 2, 5-8; 4: 572; 5: 255, 288 Aphlebiae, 1: 428 apical cell, 2: 559-561; 3: 482; 5: 54, apical cell theory, 5: 455 Apium (see also celery), 4: 256, 262 Aplanobacter, 1: 450, 500; 3: 283; 4:

apocarpy, 5: 99, 121-127 Apocynaceae, 3: 35; 5: 105, 108, 121 Apocynophyllum, 3: 35, 43 apogamy, 1: 156; 3: 457; 5: 433 Aponogetonineae, 5: 127 apospory, 1: 269–271; 3: 457, 475, 490; 5: 433 Apotomanthus, 5: 91 Appendicula, 4: 23, 27 apple (see also Malus) disease bacterial, 1: 416; 2: 441; 3: 288; 4: 644, 658 control, 2: 586, 590, 593; 4: 431-433 fungal, 1: 450, 499, 503, 506; 2: 238, 246, 248, 255–258, 588, 593; 3: 288, 298; 4: 430, 677 insect, 5: 279, 293, 296, 299 domestication, 4: 17 ecology, 5: 160, 188 genetics, 4: 285 hybrids, 1: 114 morphology, 5: 103 nutrition, 3: 93, 110, 112, 119; 4: 185, 192, 196 pectin, 2: 484 488, 493 respiration, 1: 252, 254, 258, 262 appressorial vesicle, 2: 249 appressorium, 2: 237, 247 apricot, 4: 17, 432 Aptiana, 2: 403 Aquilegia, 1: 85, 104; 2: 368; 4: 126; 5: 117, 119, 125 araban, 2: 477, 480, 484 arabinose, 2: 476, 477, 480, 484, 485, 488, 489; 5: 329, 340 Arabis, 2: 352; 3: 437; 5: 195 Araceae, 5: 125, 126 Arachis (see also peanut), 1: 82; 5: 112 Arachniopsis, 5: 62, 63, 91 Aragallus, 2: 375, 5: 189 Aralia, 2: 40, 403; 3: 35 Araliaceae, 3: 35 Araliaephyllum, 2: 402 Araucaria, 1: 196, 199; 2: 72, 73; 5: 458, 462 Araucariaceae, 1: 194-196 Araucarineae, 2: 72-75 Arbacia, 4: 503; 5: 142 Arbutus, 4: 387 Arbutus, 4: 387 Archaeopteris, 2: 406, 410; 3: 563, 564, 565; 4: 232 archegoniates, 2: 53 archegonium, 2: 56, 61 Archilejeunea, 5: 92 Arcotois, 3: 605

arctic flora, 4: 375 Arctostaphylos, 4: 390 area, basal and herbage, 4: 67, 68 Arecaceae, 3: 35-38 Arenaria, 3: 435, 439 arginase, 3: 92 arginine, 3: 87-89 Argyrolobium, 4: 38 Argyroxiphium, 3: 598 Arisaema, 1: 336, 337, 354; 4: 587 Aristida, 4: 66, 67, 69, 71, 74; 5: 162, 169, 174, 178 Aristolochia, 3: 43; 4: 382; 5: 391, 392, 411, 421, 424, 426 Aristolochiaceae, 5: 120 Armeria, 2: 575 Armillaria, 2: 255; 4: 418 Arndt-Schultz law, 5: 208, 328 Arnellia, 5: 80, 91 arracacha, 4: 16 Arracacia, 4: 16 arrowroot, 4: 16
arrowweed, 5: 163, 170
arsenic, 2: 187, 376; 5: 211
Artemisia, 4: 56, 72; 5: 172, 173, 174,
189, 191, 462 Arthrocladia, 2: 560 Arthrocladiaceae, 2: 560 arthrospores, 4: 106 Arthrostigma, 1: 389; 3: 573 Arthrotaxis, 1: 197 artichoke, 4: 11, 16, 17, 599 Articulatae, 3: 582-584 Artium, 4: 256 Artocarpus (see also breadfruit and Jackfruit), 2: 401; 3: 44, 524, 530
Arum, 4: 586, 587 Arundo, 2: 10: 5: 376 Asarum, 4: 379; 5: 155, 187 Asclepiadaceae, 5: 121 Asclepias, 3: 522, 538-540; 4: 264 Ascobolus, 1: 457 Ascomycetes, 1: 120, 125, 330; 4: 486 Ascophora, 5: 207 Ascophyta, 5: 344 ascorbic acid, 4: 516, 523, 524; 5: ash, 1: 59; 4: 60, 241, 269; 5: 532 asparagine, 3: 3, 87-90; 5: 472, 493-Asparagopsis, 1: 140 asparagus, 3: 110; 4: 256, 417 aspartic acid, 3: 622; 5: 338 asparuc acid, 3: 022; 3: 338 aspen (see also poplar and *Populus*), 4: 269, 390; 5: 170, 194, 647 aspergilline, 4: 154; 5: 211, 225 *Aspergillus*, 2: 41, 181, 184–188, 207– 219, 252, 503, 505, 507; 3: 621, 634; 4: 142–156, 169, 477, 479, 487, 489,

492; **5**: 207–219, 224–232, 328, 329, 332, 338, 339, 344 Asperococcaceae, 2: 560 Asperula, 2: 224 Asphodelus, 1: 344 Aspicarpa, **4:** 38 Aspidistra, **2:** 131; **4:** 522 Aspidium, 3: 461, 468, 476-479, 481, 484; 4: 448; 5: 80, 94, 437, 443, 444, 446 Aspiromitus, 5: 80, 94 Asplenium, 3: 458-467, 474-490; 5: 441 441 assimilation, 2: 21 association, 1: 210; 2: 221-224; 3: 442, 444, 448; 4: 54 Astasia, 2: 86, 89, 91 Aster, 1: 3-8; 2: 135; 3: 270; 4: 58, 72: 5: 241 72; 5: 241 Asterella, 5: 57, 94 Asterias, 4: 643; 5: 142 Asterocalamites, 1: 442, 443 Asterocytis, 4: 667 Asteropteris, 1: 437 Asteroxylon, 1: 387, 390, 428; 3: 566, 570, 572, 575, 579

Astragalus, 2: 375, 380, 386, 393; 4: 250, 252, 253, 263; 5: 188 Astrocarpus, 5: 124 Astroporae, 5: 87, 89 asynapsis, 1: 101, 102, 105; 5: 31 Alhyrium, 3: 466, 476, 479, 490, 491; 5: 436, 441, 442, 445, 447, 476, 490 Atlantis, 4: 1 Airactophora, 1: 140 Atrichum, 4: 519 Atriplex, 2: 387; 3: 97, 130; 4: 390; 5: 13, 162, 163, 190 Airopa, 3: 559 Attalea, 4: 242 Attheya, 1: 153 Aucuba, 1: 107; 4: 522; 5: 126 aucuba disease, 1: 11; 4: 549, 553 Aulacotheca, 2: 407; 4: 223 auranin, 3: 22 Auricularia, 4: 397, 404, 417 auroglaucin, 4: 154 Austroclepsis, 1: 428, 437 Austrotaxus, 1: 197 autecology, 3: 444 autoheteroploid, 2: 197 autolysis, 3: 390 automixis, 1: 155 autopolyploids, 1: 108, 109, 114; 2: 197; 3: 339, 409, 412-417, 420; 4: 336 autosyndesis, 2: 200, 201 autotetraploids, 2: 200-205; 3: 416,

autotriploid, 1: 108, 114 autumn coloration, 3: 354, 357, 358 auxiliary cell, 1: 138-147 auximone, 3: 218, 624 auxin (see also accessory growth substance and growth substance), 1: 162; 2: 48, 365; 3: 217, 218, 391; 4: 492, 595, 605; 5: 655-676 auxin a, 1: 166, 167; 2: 365 auxin b, 1: 166, 167 auxotonic movement, 5: 655 Avena (see also oats), 1: 101, 162–177, 472, 482, 483; 2: 4, 46, 48, 108–111, 135; 3: 180, 183; 4: 33, 55, 71, 260; 5: 15, 21, 29, 457, 463, 480–482, 486, 487, 657–676 Aveneae, 1: 467 aversion, 4: 480, 487 avocado (see also Persea), 4: 16; 5: 283 Asalea, 4: 594 Asolla, 3: 215; 4: 519, 603 Asotobacter, 3: 214, 216, 217, 366, 370, 372, 386–388 Azure, 3: 79 Baccharis, 4: 390 Bacillariales, 1: 149 Bacillus (see also bacteria and Bacterium), 1: 93, 95, 99, 100, 103–106, 405–410, 418, 450, 451; 2: 237, 238, 250, 253–255, 259, 490; 3: 512; 4: 87, 95-99, 100-106, 488, 629, 643, 652 bacteria (see also Bacillus and Bacterium), 1: 405; 2: 237, 238, 250, 253-255, 259, 267, 432, 517; 4: 83, 165, 168, 482, 629-658 bacterial blight, 2: 504, 505, 517 bacterial spot, 2: 505, 593; 4: 193, 415 bacterial star, 1: 414 bacterial streak, 2: 505 bacterial stripe, 2: 505 bacterial wilt, 2: 264, 507, 511 bacteriophage, 1: 415, 416; 2: 446; 3: 378, 390, 499
bacteriosis, 1: 407 Bacterium, 1: 328, 405, 407, 408, 412; 2: 250, 256, 257, 259, 261, 272, 504, 505; 4: 87, 88, 91, 99-105, 415, 437 bactrites, 3: 37 Baeria, 5: 190 Baiera, 1: 192 balanced lethals, 2: 319, 322, 324 Balanophora, 5: 435 Balantiopsis, 5: 92 Balbiania, 4: 667, 668 bald cypress (see also Taxodium), 3:

Ballia, 4: 669, 671, 673 Balsaminaceae, 4: 39 Balsamorhiza, 5: 164, 176 balsam root, 5: 176 Bambusa, 5: 188 banana (see also Musa), 1: 5, 7, 8; 2: 49, 261; 4: 17, 551, 569 Bangia, 4: 667, 670 Bangioideae, 2: 557; 4: 666 Bangiopsis, 4: 667, 668 Baptisia, 4: 253 Baragwanathia, 1: 393, 440; 3: 565, 573-575 barbak, 2: 508, 515 Barbarea, 1: 239 Barbilophosia, 5: 62, 91 Barbula, 1: 269 Barclaya, 2: 401 barium, 2: 187; 5: 231 barium sulphide spray, 2: 592 barley (see also Hordeum) cytology, 1: 467-487; 4: 516, 524 disease control, 2: 500, 503-505, 509-515, 519, 520 fungal, 2: 248, 267, 269; 5: 162-165 physiological, 2: 184, 377, 384, 389, 390; 4: 187 domestication, 4: 8, 11, 17 ecology, 5: 162, 165 enzymes, 2: 489 nutrition, 2: 180, 188; 3: 160 photoperiodism, 3: 271 seed, longevity of, 4: 187, 237, 256, 266-269 barrage, 4: 167, 174
Barrandeina, 1: 393-395, 444; 3: 574, 575 basal-glume rot, 2: 504 bases, 2: 286–290 basic fuchsin, 3: 80; 4: 87; 5: 634 Basidobolus, 4: 447; 5: 332, 340, 354, 356, 357 Basidiomycetes, 1: 330; 4: 480, 486 basidiospores, 4: 397 Basisporium, 1: 507; 2: 507 bast, 5: 374 Batrachospermaceae, 4: 667, 668 Batrachospermum, 1: 138; 4: 665-Bayer dust, 2: 508, 514 Bazzania, 5: 61, 66-69, 72, 91 Beamia, 2: 410, 411 bean (see also Phaseolus), 1: 2, 5, 406, 412, 417; 2: 180, 236, 267, 268, 389, 392, 590; 3: 93-96, 375, 389; 4: 11, 16, 17, 184, 190, 256, 563; 5: 137, 141, 473, 477, 486, 495

beech (see also Fagus), 1: 40, 48; 4: 242; 5: 161, 646 beechwood, 2: 222, 224 bee plant, 5: 195 Begonia, 3: 13, 129, 130, 143; 4: 434; 5: 361 Bemisia, 1: 6, 5: 246, 261 Benda's fixative, 2: 86 Bennettistemon, 2: 408 Bennettitales, 1: 182-187; 2: 71, 77, 78, 83, 404, 411

Bennettites, 2: 410

benzene, 2: 594 benzidine, 4: 586 benzidine blue, 5: 362 benzoic acid, 2: 594 Berberidaca, 5: 101
Berberis, 1: 407; 2: 109; 5: 421
Berchemia, 3: 45
beryllium, 2: 187 Beta (see also beet and sugar beet), 2: 128; 3: 267, 358; 4: 256 beta carotene, 4: 154 beta curl, 1: 8 beta rays, 5: 17 Betula (see also birch), 1: 109; 3: 46, 607; 4: 375, 376, 384; 5: 641, 642, 643, 645, 646
Betulaceae, 2: 77; 5: 99
Biographicae 3: 42 Bicarpellites, 3: 42 Biddulphia, 1: 157, 159 big bud disease, 5: 298 big tree (see also Sequoia), 5: 176 Bikukulla, 5: 174 b-indol-acetic acid, 1: 166; 3: 217 biocatalysts, 5: 222, 223 biochore, 5: 550, 551 bioelectric phenomena, 5: 533 biologic forms, 1: 119 biological spectrums, 5: 549 bios, 2: 104; 3: 392, 393, 616-634; 4: 484-486, 491, 492, 595 biosin, 5: 331 Biota, 1: 199 biotica, 4: 63 biotin, 2: 104, 338, 339; 3: 619, 627, 633; 4: 485 biotype, 1: 128; 3: 402-405, 412 birch (see also *Betula*), 1: 40, 45; 4: 390; 5: 161, 194 Biscutella, 3: 338

Bismarck brown, 5: 399 bismuth, 5: 211 bivalent, 2: 530, 536; 4: 127; 5: 564 black arm, 3: 507; 5: 283 blackberry (see also Rubus), 4: 432; 5: 195, 297 blackbrush, 5: 180 black chaff, 2: 504 black leg, 1: 406, 409 black locust (see also Robinia), 2: 484; 4: 256 Blackman reaction, 2: 7 black pit, 1: 410 black rot, 1: 408, 506 blade blight, 4: 167 Blakesleea, 5: 339 Blaschen, **4:** 499, 500 Blasia, **2:** 55; **5:** 51, 93 Blasiaceae, **5**: 93 Blechnum, **3**: 466, 476 Blechum, **4**: 22 Blepharidophyllum, 5: 92 blepharoplast, 2: 464 Blepharostoma, 5: 90 blight, bacterial, 2: 504, 505, 517 blight, blossom, 1: 449 blind staggers, 2: 381 blotch, 4: 415 blueberry (see also Vaccinium), 2: 178; 4: 432 blue grass, **4:** 271; **5:** 176 bluestem, **2:** 391; **4:** 55, 56 Blyttiaceae, 2: 61 Blytt-Sernander hypothesis, 1: 43; 5: 639, 647, 648 b-naphthol, 2: 594 Bochmeria, 2: 17; 4: 255 Bogendorfia, 1: 445 Bohea, 4: 242 Bohr's theory, 2: 5 boletol, 3: 359; 4: 154 Boletus, 3: 359; 4: 154, 156 Bonnermaisonia, 1: 139 Boraginaceae, 2: 581; 3: 345, 359; 4: 513 borax, 2: 518 Bordeaux mixture, 2: 589, 590, 592, 595 boric acid, 2: 518 boron, 2: 173-179, 189; 3: 308, 390; 4: 184-186, 189, 197, 405, 570; 5: 188, 211 Boschia, 2: 58 Bostrychia, 4: 669, 671 Bothrodendron, 1: 186, 390, 391 Botrychioxylon, 1: 399, 428 Botrychium, 1: 399, 442; 3: 473; 5: 190, 440, 444 Botryopteridaceae, 1: 427

Botryopterideae, 1: 437 Botryopteris, 1: 432-435, 438, 439 Botrytis, 1: 328, 330, 336, 449, 508; 2: 237–265; **4**: 479, 485, 486, 487, 571; **5**: 215, 335 botrytis rot, 4: 430, 431 Bougainvillaea, 2: 135, 361, 362, 366; 3: 263 Bougeria, 5: 125 bound water, 2: 269 boundary cells, 5: 400, 420 Bouteloua (see also grama grass), 4: 55, 57, 66-69, 72, 74, 75; 5: 173, 176–178, 180, 183 Bowenia, 1: 189, 193; 3: 344 Bowica, 2: 100 box elder, 3:94 Brachiolejeunea, 5: 56, 92 bracken, 5: 195 branching, 5: 71 Brandonia, 3: 42 Brassica, 1: 104, 105, 112; 2: 38; 3: 609; 4: 256-259, 281, 318, 348 brazilin, 3: 252 breadfruit (see also Atrocarpus), 4: break down disease, 4: 186 Bremia, 1: 500 bridging host, 1: 129 brilliant cresyl blue, 2: 87-89, 300; 3: 16; 5: 359 brilliant green, 3: 22, 80; 5: 359 broccoli, 2: 392 bromegrass (see also Bromus), 5: 176, 180 bromide, 2: 293 bromine, 2: 187 brom pheno blue, 5: 361 Bromus (see also bromegrass), 1: 343; 3: 596, 600, 601; 4: 55, 58, 257, 259; 5: 174 bronzing, 2: 185, 593; 4: 194, 198 broom corn, 2: 505 Brosimum, 3: 524 Broussonetia, 3: 524 brown heart, 2: 176 brown rot, 2: 248, 588, 589, 593; 4: 434, 678 brown spot, 4: 415, 439 brown stripe, 2: 183, 187 Brownian movement, 5: 385, 403 browning, 2: 506 Brugiera, 2: 124 bruise spot, 4: 415 Brunnera, 3: 345 Bryales, 3: 586 Bryonia, 4: 593 Bryophyllum, 1: 175; 2: 353, 357 Bryophytes, 1: 269; 2: 53; 5: 49, 435

cedar (see also Cedrus), 5: 160, 170, 176, 194, 460 Cedrela, 3: 37, 39; 4: 388 Cedrus (see also cedar), 2:73, 83; 3: caesium, 2: 187 ceiling attack, 4: 479 Celastraceae, 2: 402; 3: 35, 37 Celastrophyllum, 2: 402 Celastrus, 2: 402; 3: 35 celery (see also *Apium*), 1: 7, 503; 2: 37; 3: 104, 158; 4: 17, 185, 196, 256, 260, 271, 436 cel1 division, 2: 102; 4: 91, 99, 102, 446 membrane, 4: 94 plate, 1: 54; 4: 99, 101; 5: 146, 147 enlargement, 2: 105 sap, 5: 358, 359 wall, 1: 52; 4: 89, 94; 5: 356 cellobiose, 1: 26; 5: 340 cellular disintegration, 4: 170 cellular inclusions, 4: 93, 570-572; 5: 133-150 cellulose, 1: 26–28, 54–76; 2: 464, 477–479; 4: 94, 404–408 Celmisia, 3: 595, 606 Celmisa, 3: 593, 606
Celosia, 1: 238, 239
Celsia, 3: 605
Celtis (see also hackberry), 5: 289
Cenozoic, 1: 184; 3: 32; 4: 371
Centaurea, 3: 359, 606; 5: 195
Centaurium, 2: 352
central body 4: 90 central body, 4: 90 Centrales, 1: 149-152, 156-160 centrifugation, 5: 132 centrifuge, 5: 134, 139 centromere, 3: 245; 5: 563 Centrospermae, 3: 421 Cephalopteris, 1: 395, 396, 398 Cephalotaxaceae, 1: 195 Cephalotaxus, 1: 197, 199; 3: 344 Cephalotheca, 1: 395 Cephalothecium, 4: 166 Cephalosia, 5: 55, 60, 67-70, 77, 81, Cephaloziaceae, 5: 72, 88, 89, 91 Cephaloziaceae, 5: 72, 88, 89, 91
Cephaloziella, 5: 66, 83, 91
Cephaloziellaceae, 5: 87, 88, 89, 91
Ceramiaceae, 1: 144
Ceramiales, 1: 138, 141–144; 4: 669
Cerastium, 4: 669, 671
Cerastium, 4: 66 Ceratocarpus, 2: 402 Ceratolejeunea, 5: 92 Ceratophyllaceae, 5: 128 Ceratophyllum, 4: 243, 245; 5: 128,

Ceratopteris, 2: 108; 3: 459, 475, 482, 483, 486, 487; 4: 448; 5: 437 Ceratostigma, 2: 577 Ceratostomella, 1: 405, 451, 459; 5: 328, 329, 332, 338 Ceratozamia, 1: 188; 3: 344 Cercidiphyllaceae, 3: 343 Cercidiphyllum, 4: 377 Cercidium, 5: 163 cercopids, 5: 303 Cercospora, 1: 331-334, 503; 2: 249 Cercosporella, 5: 163 cereals (see also Avena, Hordeum, Triticum), 1: 467; 2: 241, 267, 271, 373, 498 ceresan, 2: 514-520 Cerium, 2: 593 certation, 4: 276 Cestrum, 2: 99 Chaetoceros, 1: 157-159 Chaetochloa, 4: 255, 257 Chaetocladium, 1: 329; 3: 634; 4: 477, 478, 484; 5: 332, 340 Chactocnema, 1: 450 Chaetocolea, 5: 90 Chaetomium, 4: 404, 416 Chaetomorpha, 4: 135 Chaetopteris, 4: 643; 5: 141 Chaetostylum, 3: 634 chalazal structures, 2: 568-582 Chamaecyparis, 1: 199, 335; 2: 83; 3: 344; **5**: 644 Chamaenerium, 3: 406 chamaephytes, 5: 550-555 Chamaesyce, 4: 257, 259 chamise, 5: 176 chamiso, 5: 163 chamissal, 5: 170 champ criblé, 5: 396 Champy's fluid, 2: 86 Chandonanthus, 5: 91 Chantransia, 4: 665-668 Chantransiaceae, 4: 667 chapparal, 5: 160, 176, 195 Chara, 3: 10, 313; 4: 447, 448 Characeae, 3: 2, 10 chard, 4: 17 chasmantheric pollination, 4: 25 chayote, 4: 16 Cheilanthes, 3: 467, 474; 5: 437 Cheilolejeunea, 5: 93 Cheiranthus, 3: 356; 4: 586 Chelidonium, 1: 83; 3: 523 chemical potential, 2: 300 chemicals, production of, 4: 140 chemotropism, 2: 243-246 Chenopodiaceae, 3: 111; 4: 256 Chenopodium (see also lamb's quar-

ters), 3: 600; 4: 16, 58, 254, 256, 258, 262; 5: 275 cherimoya (see also Anona), 4: 16 Chermes, 5: 290 cherry, 4: 17, 284, 390, 432, 433 chestnut (see also *Castanea*), 4: 242 chiasmata, 1: 100-102, 106; 2: 539, Chiastocaulon, 5: 92 chickpea (see also Cicer), 2: 184 Chilomonas, 2: 85-91 Chiloscyphus, 2: 107; 5: 68, 82, 91 chimaera, 2: 351; 3: 545; 5: 459 China aster (see also Callistephus), 1:15 chinquapin, 5: 170 Chironomidae, 2: 531 chitin, 4: 94 chitrids, 4: 477 Chlamydomonas, 2: 87-91; 4: 133, 448 chlamydospores, 4: 106 chloralhydrate, 4: 124 Chloranthaceae, 2: 77 Chloreae, 4: 27 Chlorella, 2: 184 chlorine, 2: 289-306; 3: 47, 58, 62; 5: Chlorita, 5: 275 Chlorobacteria, 2: 354 Chlorochytrium, 4: 136 Chlorococcum, 2: 42 Chlorogalum, 5: 195 Chlorogonium, 4: 133 chlorophol, 2: 499, 514 Chlorophora, 5: 298 Chlorophyceae, 4: 132 chlorophyll, 2: 7, 11, 499; 3: 352; 4: 115, 191–193, 497, 515, 516 115, 191–193, 497, 515, 516 chlorophyllin, 5: 333, 339 chloroplasts, 2: 456, 462; 4: 115, 497; 5: 135–137, 149, 277, 278 chlorosis, 2: 181–183, 383, 593; 4: 183, 187–190, 195, 196; 5: 474 Chlorosplenium, 3: 354; 4: 154 chlor phenol red, 5: 361 chlor picrin, 1: 417 chlorzinc iodide, 1: 58, 67 Choanophora, 5: 339 chondriome, 2: 85, 5: 134, 355, 362 chondriosomes (see also mitochondria), 2: 451; 5: 24, 134, 137, 356 Chorda, 2: 561 Chordaria, 2: 560 Chordariaceae, 2: 560 Chordariales, 2: 559 chromatic adaptation, 2: 13; 4: 670, 673 chromatids, 2: 530-547; 3: 245; 5:

chromatin, 5: 2, 25, 144; 4: 90 chromatin bridge, 5: 25 chromatin granules, 1: 25; 4: 90 Chromatium, 4: 90 chromatophore, 2: 53, 54; 4: 513, 519; 5: 136 chromic acid, 3: 245 chromidies, 2: 88, 89 chromium, 2: 187, 376; 3: 199; 5: 211, 231 chromomere, 2: 530, 531; 5: 564 chromonema, 2: 529-535; 4: 450, 512; 5: 563 chromoplasts, 4: 512 chromosomes algae, 2: 463, 470 alterations, 5: 2 anastomoses, 2: 534 centrifuged, 5: 146 cereals, 1: 467 constriction, 2: 530 doubling, 1: 101, 111-114; 3: 409, 412 loss of, 1: 101 maize, 1: 292-319 numbers, 1: 100, 101; 2: 197, 447-449, 451; 3: 343 pairing in hybrids, 1: 100–106 polyploidy, 2: 197–213 resting nuclei, 4: 450 rings, 1: 103, 106, 107, 469, 470; 4: 127; 5: 29 staining 3: 250 structure, 2: 529; 5: 563 chromotype, 3: 405 Chromulina, 2: 85, 88, 90 Chroothece, 4: 667, 668 Chrysanthemum, 1: 102, 109, 417; 2: 12; 3: 269-272, 339; 4: 256, 434, 598, 603 Chrysobalanaceae, 5: 126 Chrysobalanus, 4: 382 Chrysodianus, 4: 382 Chrysodium, 3: 469, 484 chrysogenin, 4: 154 chrysoidin, 5: 352, 354, 359 Chrysomonadida, 2: 85 Chrysomyxa, 1: 339, 340, 345, 354 Chylocladia, 1: 144
Cibotium, 5: 438
Cicadula, 1: 3-7; 5: 241
Cicadulina, 1: 4-9, 452; 5: 241-268 Cicer (see also chickpea), 2: 138 Cichorium, 1: 408; 4: 281, 285, 304, 348 Cicinnobolus, 1: 328 Cimicifuga, 5: 117, 125 cinchona, 5: 283, 284 Cinna, 5: 189 cinnamic acid, 3: 197 Cinnamomites, 4: 373

Cinnamomum, 3: 42 cinnamon, 3: 35; 5: 283 Cissites, 2: 402; 3: 35 Cissus, 2: 402 Cistus, 2: 402 Cistaceae, 4: 39 Cistus, 4: 28, 40, 420 citric acid, 4: 140-145; 5: 210, 217-219, 226, 327, 330 citrinin, 4: 153, 154 Citromyces, 4: 135, 144, 145, 149, 153; 5: 218, 226 citromycetin, 4: 153 Citronelle formation, 3: 45 Citrophyllum, 3: 37
Citrus, 1: 255; 2: 131, 177, 180, 183, 185, 593; 3: 356; 4: 185, 187, 189, 193–195, 480, 678; 5: 298, 532
Cladolejeunea, 5: 93
Cladophora, 2: 108; 5: 182, 183
Cladophora, 2: 468, 469; 4: 135; 5: 136 Cladophoraceae, 4: 134-136 Cladopodiella, 5: 91 Cladosporium, 1: 501; 2: 255, 265, 589; 5: 333, 345 Cladostephus, 2: 559 Cladoxylon, 1: 394, 441 Clarkia, 1: 107; 5: 195 Clarmo flora 4: 383 Clasmatocolea, 5: 91 Clasterosporium, 4: 149 Claviceps (see also ergot), 2: 12; 3: 360; 4: 151, 170 Claytonia, 1: 134; 5: 174 cleistantheric pollination, 4: 25 cleistoflory, 4: 31 cleistogamismus, 4: 21 cleistogamy, 3: 600, 601; 4: 21 Clematis, 3: 604; 5: 116 Clepsydroideae, 1: 429 Clepsydropsis, 1: 428-437 Clevea, 5: 94 Clidemia, 2: 363 Cliffortia, 3: 602 Climaciophyton, 1: 443, 444 climax forest, 3: 449–451 Clintonia, 2: 579 Chitocybe, 4: 404 Clivia, 1: 76 Clonothrix, 4: 87 Closterium, 2: 103 Clostridium, 3: 214; 4: 93, 95, 96, clover (see also *Trifolium*), 2: 178, 265, 268, 517; 3: 367, 370, 375; 4: 256, 271, 516; 5: 163, 176, 300, club root (see also Plasmodiophora) 2: 270; 4: 437; 5: 189

cluster rot, 4: 430 coal, 1: 60 coal balls, 1: 185, 191; 4: 216 cobalt, 2: 188; 4: 586 Coccidae, 5: 277 Coccolobis, 3: 37 Cocconeis, 1: 154, 156 cocksfoot, 4: 66 coconut, 4: 17 Cocos, 4: 242 Codiaeum, 2: 569 Codiolum, 4: 136 Codium, 4: 134 Codoniaceae, 2: 61; 5: 87-89 Codonospermum, 4: 212 Codonotheca, 2: 406; 4: 223 coefficient economic, 5: 216-218 partition, 2: 285, 293, 303, 304 respiratory, 5: 216-218 temperature, 2: 293 Coenopteridaceae, 1: 427 Coenopterideae, 3: 577 coenose, 3: 451 coenospecies, 3: 412, 413 coenzyme R, 3: 372, 373, 391, 393 Coffea, 1: 407; 4: 242 coffee, 3: 88, 211; 4: 569 cohesion theory, 5: 471 Coix, 5: 657 coix, 4: 17 Colacium, 2: 86, 89, 91 colchicine, 5: 345 Colchicum, 4: 513; 5: 123 Coleochaete, 4: 133 Coleospermae, 4: 213 coleus, 5: 484 collar rot, 4: 438, 677 collenchyma, 1: 57, 60, 76; 2: 484 Colletotrichum, 1: 125, 329; 2: 239, 256, 265, 270, 504, 505, 506; 5: 328, 230, 203, 270, 504, 505, 506; 329, 332, 346 Collomia, 4: 29, 42; 5: 172 Cololejeunea, 5: 60, 64, 70, 93 colombium, 5: 231, 338 Colpidium, 5: 12 columella, 5: 80 Colura, 5: 64, 93 Combretaceae, 3: 35-38 Combretum, 3: 37, 39 Commelina, 4: 24, 27, 28, 34; 5: 288 Commelinaceae, 4: 34 commensalism, 4: 477 commiscua, 3: 600, 610 community, 2: 221+; 4: 51-77; 5: 546 companion cell, 5: 374-432 comparea, 3: 610 compatibility, 4: 275

complex-heterozygosity, 3: 318-322, 329, 337, 340; 4: 116 complexes, 2: 319, 338–341 complicate leaf, 5: 63 Compositae, 2: 581; 4: 252, 253, 256, 259; 5: 107, 108 composites, 2: 67 composition, 4: 51 composting, 4: 406 Compsopogon, 4: 667-669 Compsotesta, 4: 223 Compton effect, 5: 7 Comstock flora, 4: 383 concentration gradient, 2: 284 conducting tissue, 2: 55; 5: 119 Conferva, 2: 554 Congo red, 1: 58; 5: 399 Coniferae, 1: 114; 4: 208, 227; 5: 410, Coniferales, 1: 184, 185, 194-199; 3: 343, 344; 4: 229 Coniferophytes, 1: 184, 185, 191–201 conifers, 1: 37, 38, 41, 47; 2: 71–74; 3: 420, 571; 4: 264, 271, 372, 389; 5: 535 Coniothyrium, 5: 344 Conjugatae, 5: 358 conjugation, 1: 485-487 Conna. 4: 16 Conocarpus, 3: 37, 39 Conocephalum, 5: 84, 86, 94 Conoscyphus, 5: 91 Conostoma, 4: 208, 211, 218, 227 Conostomeae, 4: 211 consociation, 1: 212-214; 4: 55 consocies, 4: 55 Consolida 5: 117 constancy 4: 52, 53, 73 constant, 1: 211, 214; 4: 73 constant dominant, 1: 213 constriction, 4: 100 contamination of nutrient media 5: 210 Convallaria, 2: 138 convivia, 3: 610 convivia, 3: 610 Convolvulaceae, 4: 252, 253, 256, 270 Convolvulus, 3: 359, 361; 4: 253, 256 Copaifera, 3: 37 copper, 2: 174, 179–181, 185, 189, 365, 505, 508, 511, 590; 3: 309; 4: 141, 196, 405; 5: 207–215, 223, 227–231, 334, 336–338, 342, 344 copper acetate, 2: 508, 513 copper ammonium silicate. 2: 591 copper ammonium silicate, 2: 591 copper arsenate, 2: 508 Coppercarb, 2: 512 copper carbonate, 2: 499-513, 518-520 copper chloride, 2: 502, 508 copper hydroxide, 2: 512

copper oxalate, 2: 508, 513 copper oxide, 2: 508, 591 copper oxide ammonia, 1: 57 copper oxychloride, 2: 504, 508, 513, 591 copper phosphate, 2: 508, 513 copper resinate, 2: 591 copper silicate, 2: 513, 591 copper sulphate, 2: 499, 504, 506, 508, 512, 590, 591; 4: 431; 5: 211 copper sulphate monohydrate, 2: 591 copper sulphide, 2: 591 copper zeolate, 2: 591 Coprinus, 1: 457; 2: 109; 3: 361; 4: 16, 167, 404, 409, 632, 633; 5: 332, 340 Coprosma, 3: 597 Corbierella, 5: 94 Cordaianthus, 4: 226 Cordaitales, 1: 184, 185, 191–197; 2: 70, 71, 83; 3: 577; 4: 206–212, 225– 229 Cordaites, 1: 194; 3: 571; 4: 209 Cordaitinae, 3: 321 Cordia, 4: 382 Coriaria, 3: 595 cork, 1: 54; 2: 254 + corky scab, 2: 255; 4: 437 corn (see also maize and Zea), 1: 3-11, 507; 2: 43, 256-260, 377, 384, 389, 392, 507, 508, 515, 521; 3: 196; 4: 167, 185, 189, 192, 195, 256, 432, 550, 553, 569, 587, 589, 597, 603; 5: 241, 243, 248, 252, 267, 532, 536, 538 Cornaceae, 5: 126 Cornoxylon, 2: 403 Cornus, 5: 183 Corona, 2: 514; 5: 106 Coronilla, 4: 253 corpus, 2: 352; 3: 552 corpus, 2: 352; 3: 552 correlation substance, 3: 616 Corsinia, 2: 58; 5: 85, 86, 94 Corsiniaceae, 2: 58, 59; 5: 87, 89, 94 Cortinellus, 4: 397, 417, 418 Corylus (see also hazel), 3: 35; 4: 375, 379, 384; 5: 641, 642, 643, 644, 645, 646, 647 Corystospermaceae 2: 400 045, 040, 047 Corystospermaceae, 2: 409 Coscinodiscus, 1: 157, 159 Cosmos, 2: 11, 24, 34, 41, 51, 135, 139; 3: 269, 270; 4: 598, 599 Cotinus, 3: 355 Cottos, 4: 33 Cottea, 4: 33
cotton (see also Gossypium), 1: 6,
114; 2: 178, 255, 256, 261, 262, 514,
517; 3: 123; 4: 16, 189, 193, 438,
677; 5: 280, 281, 283, 246, 297
cotton grass, 5: 178 cottonweed, 5: 195

cottonwood (see also Populus), 4: 60; **5**: 170 Cotyledon, 3: 604, 610 coumarin, 3: 197 counterstains, 3: 75, 76 court-nové, 2: 185; 5: 297 cover, 4: 52 Covillea, 5: 163 cowpea (see also Vigna), 1: 11; 3: 374; 4: 256 coyotebush, 5: 176 cozymase, 5: 223 cracked stem, 4: 185, 198 cranberry (see also *Vaccinium*), 1: 5; 3: 298, 300; 4: 441; 5: 254 Crataegomespilus, 2: 131; 3: 351, 356, 557, 560, 561 Crataegus, 2: 131; 3: 556; 5: 421 creatin, 4: 405 creatinine, 4: 405 Crenothrix, 4: 87 creosote bush, 5: 162, 163, 170, 176, Crepidula, 1: 31; 4: 114 Crepis, 1: 101, 104, 107, 110, 112, 114; 2: 533; 3: 269, 339, 343, 594; 4: 237; **5**: 14, 21, 176 cress, **5**: 190, 195 Cressa, 5: 165, 190 cresyl blue, 4: 585; 5: 362, 364 Cretaceous, 1: 184; 2: 380–383, 387, 393, 398–403, 409, 412 criblé, 5: 396 Cribraltheil, 5: 374 Crocus, 2: 533; 5: 21 Cronartium, 4: 648 Cronisia, 5: 94 cross pollination, see incompatibility, crossed Nicols, 1: 53, 56, 58, 62, 76 crossing-over, 1: 299; 2: 545; 5: 563 Crossotheca, 1: 89; 2: 69, 406, 407 Crossotolejeunea, 5: 93 Crotalaria, 3: 216 Crotonophyllum, 3: 35 crown gall, 1: 406, 410–417; 2: 266, 432, 440–452; 4: 492, 629 crown rot, 2: 175 crown rust, 3: 288 Crucianella, 4: 28 Cruciferae, 3: 347; 4: 36, 256, 259, 519; 5: 121 crucifers, 1: 80-83; 2: 270, 516 Cryptantha, 5: 195 Cryptocoryne, 5: 125 Cryptomeria, 1: 199; 2: 73, 83; 3: 344 Cryptomitrium, 5: 94 Cryptomonadida, 2: 85

Cryptonemiales, 1: 138, 141, 142; 4: 669 cryptoplasm, 1: 23 Cryptostegia, 3: 535 Cryptothallus, 5: 93 crystallite, 1: 27 crystals, 2: 5, 251; 4: 512, 513; 5: 135, 364 135, 304 Cubelium, 4: 41 cucumber (see also Cucumis), 1: 11, 12; 2: 43, 45, 182; 4: 17, 166, 191, 256, 268, 589, 597, 598, 604; 5: 255-258, 267, 478, 484 Cucumis (see also cucumber), 2: 39 Cucumites, 3: 42 Cucurbita (see also squash), 1: 260, 262; 3: 12, 356; 4: 499; 5: 376-421 Cucurbitaceae, 4: 570, 571; 5: 426 cucurbits, 4: 602, 604 cultivation, introduction of plants into, 4: 1 culture media, 4: 630 Cunninghamia, 2: 74, 83 Cupania, 4: 382 Cupressaceae, 1: 195; 3: 343 Cupressineae, 2: 74, 75 Cupressus, 1: 416; 2: 83; 4: 390 cupro-Jabronite, 2: 512 cuprous oxide, 2: 502, 506, 513, 516-518 cupule, 2: 411-413 curling, 3: 389 curly top, 1: 2-9, 460; 4: 551+; 5: 241 currant (see also Ribes), 4: 432: 5: 298 Curvularia, 2: 506 Cuscuta, 4: 256; 5: 390, 393, 656 Cuspidatula, 5: 91 custard apple (see also Anona) 4: 16 cutin, 1: 54, 57, 58, 71, 76 Cutleria, 2: 255, 259 Cutleriales, 2: 559 cyanamide, 2: 518 Cyanoderma, 4: 667, 668 Cyanophyceae, 4: 90; 5: 361 Cyatheaceae, 3: 475, 478; 5: 437, 438 cyathium, 5: 105 Cyathodium, 2: 54, 59; 5: 94 Cyathophorum, 5: 55 Cycadaceae, 5: 411 Cycadales, 1: 184, 187-190; 2: 71, 83; 3: 344; 4: 227 Cycadeoideae, 1: 187 Cycadinae, 3: 421 Cycadinocarpus, 4: 208, 213, 226 Cycadofilicales, 1: 184-186; 2: 69, 71, 72, 74 Cycadofilices, 4: 207

Cycadophyta, 1: 87, 88 cycadophytes, 1: 184-190 Cycadospadix, 2: 411 Cycadospadix, 2: 411
cycads, 2: 76; 4: 222
Cycas, 1: 87, 190; 2: 409, 411; 3: 344,
355; 5: 458, 461, 462
Cyclamen, 1: 76
Cyclodendron, 1: 390
cyclohexane, 2: 594
Cyclohexane, 2: 594 Cyclolejeunea, 5: 92 Cycloporales, 2: 558, 561 cyclosis, 5: 505 Cyclosporeae, 2: 558
Cyclosporeae, 2: 558
Cyclostigma, 1: 390; 3: 564, 572
Cylindrosporium, 1: 346
Cymbella, 1: 153, 156 cymene, 2: 594 cymopterus, 5: 172 cynodontin, 4: 154 Cyperaceae, 3: 342; 4: 255; 5: 635 Cyperacites, 3: 35 Cyperus, 4: 255 Cyphochilus, 4: 35 Cypnochius, 4: 35 cypress, 4: 390; 5: 161 Cypripedium, 2: 576, 577; 5: 189 Cyrtolejeunea, 5: 93 cystein-HCL, 2: 425, 430 cystine, 5: 335, 340 Cystoclonium, 1: 142, 143 Cystolejeunea, 5: 93 cystolysis, 5: 533 Cystopteris, 3: 467, 476, 479, 481, 483, 487, 491, 492; 5: 438 Cystopus, 1: 331, 503 Cystoseira, 3: 187 cytase, 2: 239 Cytisus, 3: 556, 557; 4: 250-253 cytochrome, 2: 40, 43; 5: 223 cytode, 4:89 cytogenetics, 5: 1 cytokinesis, 4: 446 cytology and taxonomy, 3: 335 cytomorphosis, 4: 85 cytoplasmic bridges, 5: 390 cytoplasmic inclusions, 2: 85 cytoplasmic inheritance, 4: 113 cytoplasmic membrane, 4: 94 cytoplasmic retraction, 4: 100 cytoplasmic sexualization, 4: 586, 602 cytoplasmic streaming, 3: 1, 2; 4: 403, 5: 376 cytosome, 5: 134-143 Cytosporella, 5: 344 Czapek's solution, 4: 166

Dacrydium, 1: 197, 199; 2: 83 Dactylis, 2: 181; 4: 55 Dactylium, 4: 415

Dactylotheca, 2: 407 Dacus, 1: 451 Dahlia, 1: 7, 239; 3: 160; 4: 519; 5: 355 Dahlia B, 4: 584 daisy, 2: 439; 4: 256 d-alanine, 3: 524 Dalbergia, 3: 55; 5: 187 Dalbergites, 4: 373 Damasonium, 2: 570 damping off, 2: 506, 510, 516, 518; 4: 166, 171, 415 damp rot, 1: 405-410 Danthonia, 4: 33, 34; 5: 174 Daphne, 4: 253, 519 dark-field illumination, 4: 649, 652 dark-growth response, 2: 108 Darluca, 4: 480, 491 darso, 2: 505 Dasya, 1: 141 Dasyaceae, 1: 144 Datura (see also Jimson weed), 1: 101, 107, 108, 313; 2: 202, 330; 4: 120, 253, 256, 262 Daucus (see also carrot), 2: 21; 3: 356; 5: 195 Davallia, 3: 476, 479 Dawsonites, 1: 389; 3: 578, 579 day length, 3: 158

Decliptera, 4: 22

deerbrush, 5: 176

deficiency, 1: 244, 314; 4: 183

dehydration, 3: 248 dehydrogenation, 4: 143 dekalin, 2: 594 Delavayella, 5: 92 Delesseriaceae, 1: 144
Delesseriaceae, 1: 144
Delphinium, 1: 234, 235, 238, 239, 242; 2: 135; 3: 357; 5: 117, 128, 164, 175, 189, 249, 269
Dendrobium, 4: 27, 35, 36, 519
Dendroceros, 2: 53; 5: 80, 94
Dennstaedtia, 3: 467, 487
density, 4: 52, 73, 76
density, 4: 52, 73, 76
density, 3: 3: 3: 553 +: 5: 558 dermatogen, 2: 349-353; 3: 553+; 5: 457 Deschampsia, 5: 189, 190 desert sage, 5: 163 Desmarestia, 2: 560 Desmarestiaceae, 2: 560 Desmarestiales, 2: 560 deutoplasm, 2: 89 Devonian, 1: 183, 184; 3: 563; 4: 230-232; 5: 110 dextrin, 5: 329 dextrose, 2: 431; 5: 211, 329 diageotropism, 3: 176 diakinesis, 2: 199, 342, 540 Dianthera, 4: 22

Dianthus (see also carnation and pink), 1: 354; 2: 209-211 diaphototropism, 5: 668 Diaporthe, 4: 168, 479, 480, 487 Diaspis, 5: 277 diastase, 3: 524; 4: 155; 5: 280, 288, 290, 302 diatoms, 1: 149; 4: 447; 5: 635 dicentric, 5: 563 dichasium, 5: 105 Dichiton, 5: 66, 91 dichlamydius, 3: 547 dichlorophenolindophenol, 4: 523 dichogamy, 4: 359 dichroic phenomena, 1: 58
Dicksonia, 3: 475; 5: 187, 438
Dicksoniaceae, 5: 437, 438
Dicraeia, 2: 577
Dicranolejeunea, 5: 92 Dicranophora, 3: 634; 5: 339 Dicrophyllum, 5: 186 Dictyosiphonaceae, 2: 560 Dictyosiphonales, 2: 560 Dictyosphonales, 2: 560 dictyosome, 5: 141 Dictyota, 2: 555, 559 Dictyotales, 2: 559, 561 Didymium, 5: 355 die-back, 4: 187, 193 Dieffenbach, 2: 486 diethylogiene, 4: 156 diethylarsine, 4: 156 diethylene oxide, 3: 248 diethyl red, 2: 446 differential segments, 2: 342 différentiation: criblé, maximum, nacrée, 5: 399 differentiation, auxano-chemo, histo-, 2: 142-144 diffusion constant, 2: 285, 293, 304, diffusion pressure, 4: 531+ diffusion pressure deficit, 4: 535+ diffusion pressure deficit gradient, 4: Digitalis, 1: 9, 101, 112, 365; 3: 438 dihydrofolliculine, 4: 604 dihydrostearic acid, 3: 197 dikenetic, 5: 563 Dilaenaceae, 5: 87-89 dimethyl-ethyl-arsine, 4: 156 dimethyl selenide, 4: 156 dimorphic flowers, 4: 21 Dineuron, 1: 437 Dinoflagellida, 2: 86 Dioclea, 4: 250 Diotes, 4: 230
dioecism, 1: 274, 275; 4: 359
Dioon, 1: 88, 187, 188; 3: 344
Dioscorea, 2: 124; 5: 118
Diospyros (see also persimmon), 3: 35-37, 44; 4: 382, 388

dioxan, 3: 241, 248; 4: 510 dioxyacetone, 5: 329 dioentine, 2: 529 dipentine, 2: 594 Diplacus, 5: 193 Diplasiolejeunea, 5: 93 Diplasium, 3: 467, 474, 476, 481, 487, 488 diplobiont, 1: 141, 144-146 Diplocarpon, 1: 332, 336, 340-343 diplochlamydous chimaera, 2: 351; 3: diplochromosome, 5: 564 Diplocladium, 4: 415 Diplodia, 2: 507, 508; 3: 292; 4: 480, diplohaplont, 4: 134-137 diplohemiploid, 1: 280 diploid gametes, 4: 117 diploid gametes, 4: 117 diploids, 3: 366; 4: 117 Diplolobis, 1: 428, 430, 431, 437 diplonts, 1: 152, 276; 4: 134 diplophase, 2: 342 Diplophyllum, 5: 63, 92 diplotene, 2: 539, 540 Diplotmema, 4: 217 Dipsacaceae, 5: 126 Diptera, 2: 531 Dipterocanthus, 4: 43 Dipterocarpoxylon, 2: 403 Dipterocarpus, 3: 596 disaccharides, 3: 89 disc, 5: 103 disease, 1: 405 and weather, 1: 497 bacterial, 1: 405, 497; 4: 429, 677 bacteriophage, 3: 499 control, 4: 429, 677 cytology of parasitism, 1: 327 escape, 2: 241 fluctuations, 3: 277 fungal, 1: 497; 2: 236–281 insect toxins, 5: 273 morbid anatomy, 4: 548 nutritional, 4: 183 physiology of parasitism, 2: 236 resistance, 2: 248+, 256+, 267-271; 4: 478 transmission, 5: 240 tumors, 2: 439 virus, see virus disinfectants, 2: 498 disjunction, 2: 199 dissociation, 4: 85

Distichlis, 4: 56, 75; 5: 163, 165, 190
distribution, 4: 52
d-lactic acid, 4: 146, 147 dock (see also Rumex), 2: 45; 4: 256; 5: 172 Dodonaea, 3: 37, 39 dogwood, 5: 195

Dolerophyllum, 2:70 Dolerotheca, 4: 223 domestication of plants, 4: 1 dominance, 1: 213, 214; 4: 53, 73, 75 Dondia, 5: 163 Donnan equilibrium, 2: 284, 294, 296 Doodya, 5: 437, 440 dorsiventral bilaterality, 5: 54, 55 dorsiventrality, 5: 52 Doryopteris, 3: 468 double refraction, 1: 56, 62, 65 Douglas fir (see also Pseudotsuga), 5: 160, 170 Douglasia, 5: 121 Douinia, 5: 92 Douinia, 5: 92 D.P.D., 4: 543 Draba, 3: 594; 4: 72; 5: 170 Dracophyllum, 3: 602, 606 Drepanolejeunea, 5: 93 Drepanophycus, 1: 389, 444; 3: 573-575 Drimys, 2: 78, 79, 84; 4: 382 dropseed, 4: 55 Drosera (see also sundew), 1: 85, 336; 2: 421; 3: 2; 4: 27; 5: 494
Drosophila, 2: 198, 531, 537, 539; 4: 113; 5: 4-30 drought, 4: 22 Druckströmhypothese, 3: 53, 60, 61 Drupa, 3: 42 Dryas, 1: 45; 3: 429, 434, 436 Drynaria, 3: 476, 479 Dryophyllum, 3: 35 Dryopteris, 3: 35, 468, 476, 479, 480, 481, 484, 492; 5: 436-438, 444, 448 dry rot, 2: 175; 4: 185, 196 Dubauta, 3: 596 Dubay, 2: 514 Dudresnaya, 1: 142 Duisbergia, 1: 393-395, 444; 3: 574 dulcitol, 5: 329 Dumontia, 1: 142 Dumortiera, 2: 56, 58, 60; 5: 94 Dumortieropsis, 5: 94 duplex, 2: 197 duplication, 5: 29, 32 Du Pont, 2: 514 durra, 2: 505 dust disinfectant, 2: 499, 500 Dutch elm disease, 1: 458; 3: 277 Dutoitia, 1: 388; 3: 568 Duvallia, 5: 438 dwarf samphire, 5: 165 Dychtyuchus, 5: 335

early blight of celery, 1: 503 ear rot, 2: 507
Eau de Javelle, 5: 390

Echinocereus, 1: 263 Echinodorus, 2: 570 ecological structure, 4: 53 ecology, 2: 221 ecospecies, 3: 412, 600 ecotype, 3: 402–412; 5: 158 Ectocarpaceae, 2: 557, 558 Ectocarpales, 2: 559 Ectocarpus, 2: 559 ectohistogen, 3: 555 ectoplasm, 4: 94 ectoplast, 4: 94 edelweiss, 2: 13 egg plant, 4: 17; 5: 299 Elachista, 2: 560 Elachistaceae, 2: 560 Elacagnus, 3: 361 elater, 2: 61 Elatine, 4: 22, 245 elder (see also Sambucus), 4: 390; 5: 155, 176, 195 electrical conductivity, 2: 269 electrical potential, 2: 49 electrolytes, 2: 283; 4: 531 electro-osmotic flow, 4: 531 electrons, 5: 17 elements, minor, 2: 173 Eleocharis, 4: 245 elm (see also Ulmus), 1: 45, 405, 416; 4: 60, 241, 269, 380; 5: 293 Elodea, 2: 20, 50, 351; 3: 12, 13, 553; 4: 448, 451, 503; 5: 137, 138 Elymus, 4: 55, 74 Elytropappus, 3: 602 Elytrosoma, 4: 572 embryo-sac, 2: 565 Emmenanthe, 5: 195 emmer, 2: 377 Emplectrum, 3: 339, 415, 419 Emplectopteris, 4: 219, 224, 230 Empoasca, 1: 2, 5, 453; 5: 274, 275, 298-302 emulsion hypothesis, 1: 19-22 enations, 5: 106 Encephalartos, 1: 189; 3: 344 encephalomyelitis, 5: 246, 249, 253 enchylema, 1: 23, 24 endemism, 3: 439 endive, 1: 409; 4: 17 endohistogen, 3: 555 Endomyces, 4: 88 endosepsis, 1: 449 endospores, 4: 102-106 Endothia, 4: 632, 646; 5: 344 endoxerosis, 4: 570 end-reaction, 3: 175, 181 Engelhardtia, 3: 39 Engytatus, 4: 280 Enteromorpha, 4: 134

Entmischung, 5: 359, 360 Entoloma, 4: 657 Entosiphon, 2: 86 environmental factors, 4: 53 environmental relations, 4: 62, 77 environmental relations, 4: 02, //
enzymes, 2: 41, 237–239, 246, 250,
261, 487–491; 3: 386; 4: 140, 143,
154, 170, 172, 482; 5: 223, 539

Eoachras, 3: 37
Eocene, 1: 184; 2: 380, 383, 387,
398–400; 3: 32–42; 4: 371, 373, 382-393 eosin, 2: 16; 3: 75; 5: 352, 354, 363, 379, 472, 486, 490 eosin-methylene-blue, 3: 75
Eospermatopteris, 1: 395, 398, 399; 3: 576; 4: 225, 231 Ephedra, 1: 200; 2: 74, 75; 3: 344; 5: 458, 462 Ephedraceae, 1: 200 epidemics, 1: 497, 502 Epidendron, 4: 35 epidermis, 1: 54, 57, 76; 2: 367 Epigonianthaceae, 5: 87, 89 epigonianthous perianth, 5: 75 epigyny, 5: 102 Epilobium, 4: 119, 120, 123, 124, 128; 5: 21, 24, 189, 194 epinasty, 1: 176; 5: 482, 487 epiphytes, 5: 553 epithelium, 2: 419 Epitrimerus, 5: 297
Equisetales, 4: 216, 229; 5: 52
Equisetum, 1: 388; 3: 35, 38; 4: 216, 448; 5: 21, 24, 362
Eragrosits, 3: 416; 5: 184 Eranthemum, 4: 23 Eranthis, 5: 117 Erechtites, 4: 257, 259 Eremonotus, 5: 91 Eremopteris, 4: 217 Eremosphaera, 2: 108 Eremurus, 5: 21 ergastome, 2: 85 ergosterol, 2: 42; 4: 151 ergot (see also *Claviceps*), 1: 449; 4: 151 Eria, 4: 35 Ericaceae, 2: 403; 5: 103, 120, 189, 190, 635 Erigeron, 2: 581; 4: 58; 5: 176, 189 Eriocaulon, 4: 245 Eriogonum, 5: 176, 189 Eriophyes, 5: 289, 291, 296-298, 300 Eriophyllum, 5: 195 Eriosoma, 5: 293 Erodium (see also alfilaria), 5: 195 Erophila, 3: 412 Ervum, 4: 250

Erwinia, 3: 504, 510, 512, 514; 4: 636, 643, 658 Erysimum, 3: 356 Erysiphaceae, 1: 330
Erysiphe, 1: 119, 123–128, 328, 331, 340, 500, 501; 2: 177, 265, 269, 270; **4:** 123, 477 Erythraea, 3: 602 Erythronium, 2: 573; 5: 174 erythrosin, 2: 16; 3: 75, 76, 352, 354, 363 Escherickia, 4: 85, 88 Eschscholtzia, 5: 121 Etapteris, 1: 431, 437, 438, 442 ethyl alcohol, 4: 146 ethylene, 1: 256 ethylene-glycol-mono-ethyl-ether, 3: 249 ethyl green, 3:80 ethyl mercuric chloride, 2: 506, 507, 514, 517 ethyl mercuric phosphate, 2: 504-507, 515, 520 ethyl red, 3:22 etiolation, 3: 17; 5: 656 etiology, 1: 498 Eucalyptus, 2: 401, 402, 594; 4: 242 Eucharis, 2: 247 Euchlaena (see also teosinte), 1: 317, 318; 2: 209 Euchlorophyceae, 3: 590 euchromatin, 5: 27 Eudorina, 2: 89; 4: 133 Eugenia, 1: 408; 3: 35 Euglena, 2: 16, 86-91; 3: 9; 4: 511; 5: 137 Eunotia, 1: 151 Euonymus, 2: 352, 402; 3: 35, 355, 356; 4: 519 Euosmolejeunea, 5: 92 Euphorbia, 2: 571, 573; 3: 522, 523, 524, 529, 538-540; 4: 252; 5: 52 Euphorbiaceae, 2: 401; 4: 253, 383 Euphorbiophyllum, 3: 35 Euphrasia, 3: 436, 439, 606 Euphytolacaceae, 5: 127 euploidy, 1: 312; 2: 129 Euplotes, 1: 19 Eupteryx, 5: 274, 275 Eurotia, 2: 390 Eurotium, 4: 634; 5: 343 Euscelis, 1: 15; 5: 254 eutaxia, 4: 252 Eutettix, 1: 3-6, 459; 5: 241-266, 275, 276 Evansia, 5: 91 evening primrose (see also Oeno-thera), 4: 260 Evernia, 3: 356

evolution, 2: 397; 3: 563 Ewartia, 3: 605 exanthema, 2: 180; 4: 187 exclusiveness, 4: 52, 53, 73, 74 exine, 4: 104 Exoascus, 2: 266 Exormotheca, 5: 94 exosmosis, 2: 239-242 exospore, 4: 106 external morphology, 4: 53 eyespot, 2: 465 eye-spot disease, 4: 170

F

facies, 1: 212 Fadyenia, **3:** 468, 486 Fagara, **3:** 37, 39, 43, 44 Fagopyrum (see also buckwheat), 1: 260: 2: 135 Fagus (see also beech), 2: 402; 3: 35, 36, 264, 354, 607; 4: 378, 389; 5: 426, 641, 643, 645, 646 fairy ring, 4: 437 false blossom, 1: 5 false septum, 1: 81-84 Farmeria, 2: 577 fast green, 3: 77; 4: 510 fats, 4: 140 fatuoids, 1: 487; 3: 600 Faucherea, 1: 144 federation, 3: 448 Fegatella, 2: 55-57 Fegonium, 2: 403 Fehlgeburt, 4: 415 fenchone, 2: 594 ferns, 1: 183, 427; 2: 69, 70, 79; 3: 457, 575-582; 4: 379; 5: 433 Ferocactus, 5: 163 ferric chloride, 5: 226 ferric sulfate, 5: 226, 227 ferrous sulphate spray, 2: 593 fertilization, 2: 469, 470; 4: 275, 276 fertilizers, 3: 217 fescue (see also Festuca), 5: 163, 166, 171, 176, 180 Festuca (see also fescue), 3: 599, 605; 4: 33, 55, 58, 59, 62, 67, 71, 74, 77; 5: 163, 167, 171, 177, 183, 189 feterita, 2: 505 Feulgen reaction, 3: 252, 253; 4: 92 Feulgen stain, 3: 80, 241, 245 fibers, 1: 57, 58, 61–68, 76; 5: 412 fibril, 1: 63, 64, 67 fibrillae, 1: 23 fibrillae, hypothesis, 1: 34 fibrillar hypothesis, 1: 24 fibroblast, 2: 419, 430 Ficophyllum, 2: 402 Ficus (see also fig), 2: 401; 3: 35-37, 43, 44, 357, 362, 522, 523, 524, 527; 4: 375, 376, 382 fidelity, 4: 52, 75 fig (see also Ficus), 1: 449; 4: 17, 375 Fiji disease, 1: 2, 5, 6, 9; 4: 551, 558, 569 Filago, 5: 195 filaree, 5: 195 Filicales, 1: 427; 2: 68; 5: 436, 437, 447 Filicinae, 3: 420, 421, 457 Fimbriaria, 2: 58 fir (see also Abics), 1: 38, 47; 5: 176, fire blight, 1: 410, 448, 508; 4: 641, 658 fire fanging, 4: 409 firing, 4: 190 Fischer's law, 2:78 fisetin, 3: 355 fixation, 4: 107 fixing fluids, 3: 245 flagella, 4: 97-99 Flagellates, 2: 89-92 flagellum, 2: 464 flavin, 2: 41; 3: 630, 631 flavoglaucin, 4: 154 flavone, 2: 7 flavonol, 2: 7 flax (see also Linum), 2: 80, 178, 185, 256, 261, 264, 486, 490, 506, 512–515; 4: 187, 247, 265, 267 floral element, 3: 426 floral morphology, 1: 77; 5: 97 Florideae, 1: 138; 2: 557; 4: 132, 666-669 florigen, 3: 272; 4: 599, 600 floristic composition, **4:** 52, 53 floristics, **3:** 425; **4:** 52–54, 62 flower formation, **2:** 289 flower morphology, 1: 77; 2: 398–414; 4: 21; 5: 97 flowering, 4: 581, 582, 592, 595, 605 fluorescence, 1: 58; 4: 514, 515 fluorescin, 5: 352, 379, 472, 488, 490– 494 Foerstia, 3: 585, 586 foliar determination, 2: 367 folliculin, 4: 603, 604 Fomes, 5: 197, 339 Fontinalis, 5: 54, 362 foot, 2: 59, 61 foot rot, 2: 241, 263; 5: 163 Forcula, 2: 404 forespore, 4: 102, 103 forget-me-not (see also Myosotis), 2: formacide, 2: 510

formae speciales, 1: 119 formaldehyde, 2: 499, 501, 504-506, 508-510, 516, 518, 520 form genera, 4: 209 formic acid, 3: 197 formogens, 3: 331 form species, 4: 209 Fort Union flora, 4: 384 fossils, 4: 371; 5: 627 Fossombronia, 2: 57, 63, 64; 5: 83, 93 Fossombroniceae, 2: 61; 5: 93 four-o-clock, 2: 67 foxglove (see also Digitalis), 5: 172 Fragaria (see also strawberry), 1: 103, 109-112 fragmentation, 5: 26, 29, 33, 133, 138, 139, 146, 147 Frankenia, 5: 165, 190 Frankliniella, 1: 4, 6, 453; 5: 241, 244 Fraxinopsis, 2: 404 Fraxinus (see also ash), 2: 116; 3: 35, 44, 46; 4: 241; 5: 420, 641, 644, 645, 646 freezing technique, 5: 539 frenching, 2: 180, 185 frequency, 4: 52, 53, 65 frequency index, 4:71 frill, 4: 218 frill, 4: 218

Fritillaria, 2: 537-545, 566, 572, 574

froghopper blight, 5: 274, 282, 303

fructose, 5: 328, 329, 333, 340

Frullania, 2: 63; 5: 64, 65, 71, 82, 92

Frullaniaceae, 5: 66, 75, 87-89, 92

Fucaceae, 2: 561; 4: 132

Fuchsia 4: 603 Fuchsia, 4: 603 fuchsin S, 5: 354 fuchsinophile granules, 2:88 fucoxanthin, 2: 7 Fucus, 2: 108; 5: 137, 140, 142, 150 Fumana, 4: 40 Fumariaceae, 1: 83 fumaric acid, 3: 385; 4: 140, 145, 146; **5**: 219, 220 Funaria, 1: 270, 271, 273, 274, 277, 282; 2: 21, 207; 4: 117, 118 fungi acidity, 4: 405 association effects, 4: 475 carbohydrates, 4: 405 gamolysis, 4: 276 chemicals, production of, 4: 140 gamophylly, 5: 98 Ganardinia, 2: 559 competition, 4: 165
culture, 4: 397, 627; 5: 327
Imperfecti, 1: 120, 125, 503
isolation, 4: 627 Gantheliophorus, 1: 394 Garcinia, 2: 579 garigue, 2: 222 moisture, 4: 406 garlic, 4: 17 Garrya, 4: 390; 5: 99

nutrition, 5: 207, 335; 4: 405; 5: 327 oxygen, 4: 406 parasitism, 2: 236 penetration, 2: 240-249 physiologic specialization, 1: 119 physiology, 2: 236 salts, 4: 405, 411 temperature, 4: 406 weather, 1: 497 wood, 4: 167 fungicidal dust, 2: 499 + fungicidal spreaders, 2: 595 fungicidal stickers, 2: 595 fungicides, 2: 498, 586 fungisterol, 4: 151 fungus spot, 4: 415 Funicularia, 5: 94 funiculus, 5: 102 Furcellaria, 1: 142, 143 Furcellaria, 1: 142, 145 fusarinic acid, 4: 155 Fusarium, 1: 348, 507; 2: 252, 256, 260, 261, 266, 503–507, 516; 3: 293; 4: 146, 155, 166, 168, 415, 485–488, 492, 645; 5: 214–216, 225, 328, 329, 332 Fusicladium, 1: 343; 2: 256 fustic, 3: 355 G Gagea, 2: 574 galactan, 2: 480 galactose, 2: 476, 477, 480, 484, 485, 488, 489; 5: 329, 330, 340 galactose-galacturonic acid, 2: 476 galacturonic acid, 2: 476, 477, 480, 484, 488, 489 Galega, 4: 252 Galeopsis, 1: 112; 2: 224; 3: 340, 413, 414, 419, 598
Galium, 2: 231, 351, 553; 4: 71; 5: 189 gallic acid, 4: 140, 142, 152 gallium, 5: 207, 210, 230, 337 galls, 2: 264, 266, 272; 4: 477, 548; 5: 274, 288-298 Galtonia, 2: 542 gametangia, 2: 555+ gametogenesis, 2: 568 gametophyte, 1: 269-272; 2: 53+, 556+, 565; 5: 49+

gas storage of fruits, 4: 431 Gasteria, 2: 536, 537, 542; 5: 10, 12, 14, 21 Gastrodia, 2: 576 Gaudichaudia, 4: 38 Gaultheria, 3: 597, 602–604; 5: 183 Gaura, 4: 72 Gayophytum, 5: 194 Gecocalyx, 5: 60 gel, 1: 18, 20, 29 Geleitzelle, 5: 408 Gelidiales, 1: 138, 141 geminus, 5: 564 gene -center, 3: 404-406 linear order, 2: 529, 532 -mutation, 1: 100, 114; 4: 127; 5: 6 -string, 2: 529; 5: 564 unstable, 1: 233 genecology, 3: 402, 403 genom, 4: 119 genomere, 1: 242 genonema, 2: 529; 5: 564 Gentiana, 3: 359, 437; 4: 27 gentian violet, 3: 77, 241, 250; 5: 634 gentian violet iodine, 3: 252 Gentianaceae, 5: 107 Gentianoideae, 5: 107 gentisic acid, 4: 155 Geocalyx, 5: 65, 79, 91 geographic distribution, 4: 77 geo-morphism, 3: 177 Geonomites, 3: 37 geophytes, 5: 552, 553, 556 geo-reaction, 3: 177
Geothallus, 2: 57; 5: 94
geotonic phenomena, 3: 177, 185 geotorsion, 3: 190 geotropism, 1: 176; 3: 175; 5: 132-134, 657 Geraniaceae, 1: 85; 4: 519; 5: 101, geraniol, 2: 594 Geranium, 1: 415; 2: 451; 4: 116, 496, 586; 5: 105 Gerbera, 3: 604 Germisan, 2: 514, 518 Geum, 3: 418 giant hill, 4: 553 Gibberella, 1: 328, 507; 2: 255, 257, Gibskrankheit, 4: 416 Gigartina, 1: 142, 143 Gigartinales, 1: 138, 141-143 Gilboa tree, 3: 576 Gilia, 5: 189, 195 Ginkgo, 2: 71, 132; 3: 344, 354, 571;

4: 218, 222, 378, 379; 5: 413, 461, Ginkgoales, 1: 184, 185, 192, 193; 2: 71, 83; 4: 227 Gitterzelle, 5: 387 glacial vegetation, 1: 37 glands, 5: 103 glaucic acid, 4: 155 Glaucium, 5: 121 glauconic acid, 4: 140, 147 Gleichenia, 3: 458, 459 Gleicheniaceae, 3: 458, 459 Gliocladium, 4: 479, 488, 489 Globulariaceae, 5: 125 Gloeosporium, 1: 450; 4: 433; 5: 293 glossiness, 3: 361 Glossocarpellites, 3: 42 glucinium, 5: 210 gluconic acid, 4: 140-144; 5: 217-219, 228, 327, 329 glucose, 1: 26; 2: 477-479; 5: 328, 329, 333, 340 glucose agar, 4: 85 glucose dehydrogenase, 4: 143 glucose-oxidase, 4: 143 glucose-residue, 1: 26, 62-67 glucuronic acid, 4: 155 glutamic acid, 4: 146 glutamic, 3: 89–92 glutathione, 2: 104, 589; 5: 362 gluten, 3: 89 Glyceria, 4: 245 glycerine, 4: 85, 124; 5: 231 glycerol, 5: 327, 329, 330, 333, 340 glycine, 4: 405 glycogen, 4: 93, 94; 5: 329 glycollic acid, 5: 339 Glycyrrhiza, 4: 253 Glyptostrobus, 2: 73; 3: 37, 39 Gnaphalium, 3: 605 Gnetaceae, 1: 200; 5: 411 Gnetales, 1: 184, 185, 200; 3: 344 Gnetinae, 3: 421 Gnetopsis, 2: 410 Gnetum, 1: 200; 5: 462 Godetia, 1: 107 Goebeliella, 5: 64, 92 Goebeliellaceae, 5: 89, 92 Goebelliaceae, 5: 87 Goethea, 3: 360 Goethean theory, 1: 77; 3: 571; 5: 108, 109 gold chloride, **5**: 390 Goldenbergia, 4: 223 goldfields, 5: 190 Golgi material, 2: 85, 88-92; 3: 2, 6; 5: 138, 141 Gompholobium, 4: 252

Gomphonema, 1: 151 Gonathorodiella, 4: 478 Gongylanthus, 5: 91 gonidia, 4: 106 goniuma, 7. 100 gonimoblast, 1: 138 + Goniopteris, 3: 37 Gonium, 2: 89; 4: 133 Goodia, 4: 251, 252, 270 gooseberry (see also Ribes), 2: 592; 5: 170 goosefoot, 5: 172 Goshen flora, 4: 382, 383, 386 Gosslingia, 1: 385, 436; 3: 566-569 Gossypium (see also cotton), 1: 110, 112; 2: 424; 5: 4, 21, 386, 542 gout, 5: 290 goutte, 4: 415 goutte, 4: 415 graft, 3: 558, 559; 4: 599-601 graft-hybrid, 2: 270 grama grass (see also Bouteloua), 2: 391; 4: 55, 56, 63; 5: 162, 165, 173, 178 Graminaceae, 3: 111; 4: 31, 32 Gramineae, 1: 102; 3: 342; 4: 255; 5: 126, 635, 657, 675 Grammatopteris, 1: 438, 439 grana, 4: 509-511 Granulobacter, 2: 490 grape (see also Vitis), 1: 503, 506; 2: 586; 3: 95, 197, 590, 592; 4: 17 grass (see also Graminaceae and Gramineae) buffalo, 4: 56 disease, 2: 256 meadow, 4: 56 morphology, 5: 120 needle, 4: 55 panic, 4: 55 pollen, 2: 67, 76, 83 salt, 4: 56 sand, 4: 56 slough, 4: 55 wheat, 4: 56 grassland, 4: 51; 5: 180, 546, 556 Grateloupia, 1: 142 grazing, see plant indicators greasewood, 5: 162, 165 gregariousness, 4: 52 Grevillea, 3: 596 Grewa, 4: 5//
Grewiopsis, 3: 35
grey speck, 4: 189, 196
Griffithsia, 2: 52; 5: 150
Grindelia, 5: 190
Gristhorpia, 1: 88, 89; 2: 410
Grotthus' law, 2: 3 Grewia, 4: 377 ground substance, 5: 564 growing points, 2: 289 growth form, 5: 548

growth-substance (see also auxin and accessory growth substance), 1: 162; 2: 47, 110, 273; 3: 217, 372, 373; 4: 123, 581 guaiacol, 2: 285, 290-292, 297, 298, 303, 306 guanidine, 2: 288 guava, 4: 16 gum, 2: 255, 261, 482, 483; 4: 140, 152 gummosis, 4: 570, 678 gumweed, 5: 190 Gunnera, 2: 566, 571 Gutierrezia, 5: 173 Gymnadenia, 5: 122 Gymnocolea, 5: 91 Gymnoconia, 1: 333 Gymnogongrus, 1: 146 Gymnogramma, 3: 356, 461, 476, 477; **5:** 438 Gymnomitrium, 5: 68, 78, 82, 91 Gymnospermae, 3: 344 gymnosperms, 1: 183; 2: 68-90 gymnospermy, 2: 413 Gymnosporangium, 1: 334, 335, 340, 344, 558, 560; 3: 558, 560 gynaecium, 5: 121–128 gynophore, 5: 122 Gypsophila, 1: 407 gypsum, 3: 2; 4: 411 Gyrothyra, 5: 92 Habenaria, 5: 189 habitat, 4: 52 habitat forms, 4: 53, 61

H
Habenaria, 5: 189
habitat, 4: 52
habitat forms, 4: 53, 61
hackberry (see also Celtis), 4: 60
Haematococcus, 2: 87, 89, 91
haematoxylon, 1: 80; 2: 85, 86; 3: 75, 243, 250, 252; 4: 510, 519; 5: 399
hairy root, 1: 416, 417; 4: 629
Halarachinon, 1: 143
Halicystis, 2: 283
Halimium, 4: 40
Haliserites, 1: 385; 3: 565
halobes, 3: 447
halo-blight, 2: 205
halo-spot, 1: 406, 412
halophytes, 3: 447
Hamamelidaceae, 3: 335
Hamamelidoxylon, 2: 403
haplobiont, 1: 141, 144, 145
haplochlamydeous, 2: 351; 3: 547
haploid nuclear determination, 4: 286, 287
haploids, 1: 485; 2: 343; 4: 117, 118
Haplolaenaceae, 5: 87-89

Haplomitriaceae, 5: 52, 61, 83, 87, 88-90 Haplomitriales, 5: 88 Haplomitrieae, 5: 87 Haplomitrineae, 5: 90 Haplomitrium, 5: 54, 72, 90 haplont, 4: 133, 134 Haplostichineae, 2: 559 Haplostigma, 1: 390 haptotropism, 2: 246 harmomegathus, 2: 70 harmomegathy, 2: 74 Harpalejeunea, 5: 93 Harpanthaceae, 5: 88-91 Harpanthus, 5: 65, 91 Hartwegia, 4: 519 Haspia, 1: 445 haustorium, 2: 57 hauktweed, 5: 105 hawkweed, 5: 195 Haynaldia, 1: 468, 474, 475 Haynaldtricum, 1: 472, 481 hazel (see also Corylus), 1: 40, 45; 5: 155, 176 heart rot, 2: 175, 176; 4: 185, 196 heath, 5: 189 heat treatment, 4: 433-435 Hebe, **3:** 598, 604, 610 Hebeloma, **4:** 404 Hecistopteris, 3: 474 Hedeia, 3: 579–581 Hedera, 5: 424 Hedychium, 3: 356 hegari, 2: 505 height growth, 4:69 Helianthaceae, 5: 107 Heliantheae, 5: 107 Helianthemum, 4: 40, 420, 519 Helianthemum, 4: 40, 420, 519
Helianthus (see also sunflower), 1:
173, 260, 262, 328; 2: 16, 104, 130,
131, 180, 269, 272; 3: 180, 269,
272; 4: 520; 5: 423, 662, 665, 672,
674; 5: 662, 665, 672, 674
Helichrysum, 3: 605
Heliotropum, 5: 124 Helleboreae, 5: 124, 125 Helleborus, 3: 357; 5: 117, 125, 128 Helminthocladiaceae, 4: 667–669 Helminthosporium, 1: 125, 348; 2: 177, 261, 503–506; 4: 149, 154, 166, 169 Helobiae, 5: 117, 126, 127 Helodea, 5: 355, 356, 358, 360, 362 Helopeltis, 5: 274-276, 282 helophytes, 5: 553 Helosis, 5: 436 Helvella, **5:** 339 Hemerocallis, 4: 281, 285, 342 hemicellulose, 1: 54, 58, 70, 507; 2: 484, 485; 4: 94, 95, 405, 407

hemicryptophytes, 5: 550-553 Hemionites, 3: 468, 469, 477 Hemiptera, 5: 273 hemlock (see also Tsuga), 1: 47, 48; 5: 161, 176 hemp (see also abaca and Agave), 1: 63; 4: 256, 586-604; 5: 188 Hendersonia, 5: 344 Hepatica, 1: 341, 342, 345, 354 Hepaticae, 1: 271-273; 2: 53; 5: 49, Hepaticales, 5: 87 Heracleum, 5: 173 Herberta, 5: 55, 61, 73, 75, 90 heredity, 4: 113, 400 Herpocladium, 5: 90
Heterangium, 4: 217
Heteranthera, 4: 22, 35, 245
heteroauxin, 1: 166, 167; 3: 217, 392;
4: 604; 5: 484 Heterochordylus, 5: 279 heterochromatin, 5: 27 heterochromosome, 4: 583 Heterogeneratae, 2: 588, 559 Heteromeles, 5: 193 heteroplasia, 5: 290 heteroploidy, 1: 269-273; 2: 197 Heteropogon, 5: 178 heteropyknotic, 2: 535 Heteroscyphus, 5: 91 Heterostyly, 4: 21 Heterotrichum, 2: 352, 363, 366 Hevea (see also rubber), 3: 522+; 4: 240, 241 hexaploids, 1: 270, 481 Hexapterospermum, 4: 212 Hibiscus, 2: 135; 3: 263; 4: 39, 252, 253, 256 Hicklingia, 1: 285; 3: 567 hickory (see also Carya and Hic-oria), 1: 48; 4: 242; 5: 187, 196, Hicoria, 3: 42, 46 Hicorides, 3: 42 Hieracium, 3: 439; 5: 435 Hilaria, 4: 74; 5: 169, 177, 178 Hildenbrandia, 4: 665-672 Hippophaë, 3: 437; 5: 641, 642 Hippuris, 2: 351; 3: 553 histidine, 3: 87-89 histogen theory, 5: 456 Hoeninghausii, 4: 217 Holcospermum, 4: 223 Holcus, 1: 407 holdfast, 2: 456, 459, 461 hollyhock, 2: 67; 5: 299 Holmgren canals, 3: 5 homoplasy, 2: 60 Homoptera, 5: 273+

hopperburn, 5: 275, 298-302 hops (see also *Humulus*), 2: 594; 4: 571, 598, 604 Hordeae, 1: 467, 468 Hordenbergia, 4: 252 Hordeum (see also barley), 1: 239, 312, 407, 484, 486; 2: 36, 43, 50; 3: 132, 268; 4: 58, 59; 5: 4, 9, 10, 15, 21, 165, 542 hormones, 1: 162; 2: 425, 431; 3: 217, 373, 616; 4: 581, 589, 595, 599, 600-604; 5: 331 hornbeam, 1: 40 Hornea, 1: 384, 387; 3: 566, 584-586 horsechestnut (see also Aesculus), 4: Hosta, 2: 537 Hostimella, 3: 567, 570, 578 host-parasite relations, 1: 327; 2: 236 Houstonia, 1: 344; 5: 43; 5: 194 Hovea, 4: 251, 252, 270 huckleberry (see also Vaccinium), 5: 160, 189 Hüllgewebe, 5: 459 Hüllschlauche, 5: 375 Humulus (see also hops), 2: 17; 4: hyacinth, 4: 593-597, 603 Hyacinthus, 1: 108; 4: 519, 586, 603; 5: 21 hyalonema, 5: 564 hyaloplasm, 1: 24; 5: 139 Hyalospora, 1: 331 hybridization, 1: 114 hybrids, 1: 100; 2: 198-213; 3: 593; 4: 275 intergeneric Aegilops, 1: 110, 470-474, 485; 3: 605 Aegilotrichum, 1: 472, 473 Agropyron, 1: 468, 472-474 Anemone, 3: 604 Arcotois, 3: 605 Aronia, 1: 104 Avena, 1: 472, 473 Berberis, 1: 106 Brassica, 1: 112; 2: 201 bryophytes, 1: 270, 282 Celsia, 3: 605 Ceratozamia, 1: 188 cereals, 1: 468 Clematis, 3: 604 Entosthodon, 1: 282 Euchlaena, 1: 104, 303, 317, 318 Ewartia, 3: 605 Festuca, 1: 101-104; 3: 605 Funaria, 1: 282-284 Gaultheria, 3: 604 Gerbera, 3: 604

Gnaphalium, 3: 605 Gramineae, 1: 102, 467, Haynaldia, 1: 468, 472 Haynaldtricum, 1: 472, 473 Helichrysum, 3: 605 Hordeae, 1: 468 Leucogenes, 3: 605 Lolium, 1: 101-104; 3: 605 Mahonia, 1: 106 mosses, 1: 270, 282 Nothopanax, 3: 605 Pentstemon, 1: 112 Pernettya, 3: 604 Physcomitrella, 1: 282, 283 Physcomitrium, 1: 282-284 Pseudopanax, 3: 605 Raoulia, 3: 605 Raphanus, 1: 112; 2: 201 Secale, 1: 468, 472, 473, 475 Secalotrichum, 1: 472, 473 Sorbus, 1: 104 Spartina, 1: 112 Tripsacum, 1: 110, 317, 318 Triticinae, 1: 110, 468-475, 485; 3:605 Venidium, 3: 605 Verbascum, 3: 605 Zamia, 1: 188 Zea, 1: 104, 110, 303, 317, 318 interspecific Acacia, 3: 596 Acaena, 3: 600 Aegilops, 1: 104 Aesculus, 1: 112; 2: 211 Agropyron, 3: 606 Agrostis, 3: 601 Allium, 1: 102 Aloe, 3: 604 Alseuosmia, 3: 606 Anemone, 3: 604 Antirrhinum, 4: 306-310 Aquilegia, 1: 104; 4: 126 Argyroxiphium, 3: 598 Aucuba, 1: 107 Betula, 1: 109; 3: 607 Brassica, 1: 112 Bromus, 3: 600, 601 bryophtes, 1: 282, 270; 4: 121 Campanula, 1: 107 Campsis, 1: 104 Canna, 1: 108; 4: 127 Capsella, 4: 310-314 Carex, 3: 596 Cassinia, 3: 596 Celmisia, 3: 595, 596 Centaurea, 3: 606 cereals, 1: 467 Chenopodium, 3: 600 Chrysanthemum, 1: 102, 109

Clarkia, 1: 107 Clematis, 3: 604 Cliffortia, 3: 602 clover, 4: 304-305 Coprosma, 3: 596, 597, 602, 603 Coriaria, 3: 595 Cotyledon, 3: 604, 610 Crepis, 1: 104, 107, 110-112; 3: Datura, 1: 107, 108; 4: 120 Digitalis, 1: 101, 102, 112 Dipterocarpus, 3: 606
Draba, 3: 594
Dracophyllum, 3: 606
Elytropappus, 3: 602
Epilobium, 4: 119, 120, 122, 128 Erythraea, 3: 602 Euphrasia, 3: 606 Fagus, 3: 607 Festuca, 3: 599 Fragaria, 1: 103, 109, 110, 112 Funaria, 1: 282; 4: 117 fungi, 1: 131 Galeopsis, 1: 112; 3: 340, 413, 414, 419, 598 Gaultheria, 3: 579, 602, 603 Geranium, 4: 116 Gerbera, 3: 604 Godetia, 1: 107 Gossypium, 1: 104, 110, 112 Gramineae, 1: 467 Grevillea, 3: 606 Hebe, 3: 598, 604, 610 Hepaticae, 1: 285 Hyacinthus, 1: 108 Hypericum, 1: 107; 4: 116 Hyperhoeris, 3: 606 Iris, 3: 340, 341 Juncus, 3: 606 Larix, 1: 103 Leptospermum, 3: 604 liverworts, 1: 285 Lobostemon, 3: 602 Lolium, 3: 605 Lycopersicum, 2: 204 Malus, 1: 113 Matthiola, 4: 115 Melandrium, 3: 420 Myrtus, 3: 606 Narcissus, 2: 211 Nicotiana, 1: 104-111 Nothofagus, 3: 603-608 Oenothera, 1: 107; 2: 316-343; 4: 116, 127 Olearia, 3: 603 Ozothamnus, 3: 602 Paeonia, 1: 107 Papaver, 1: 109 Pelargonium, 3: 604

Pentstemon, 3: 598 Petunia, 1: 108; 4: 327-336 Philadelphus, 1: 104-106 Phleum, 1: 112 Physcomitrium, 1: 282 Pimpinella, 3: 606 Pisum, 1: 104-107 Plagianthus, 3: 606 Platanus, 1: 103 Pomoideae, 1: 113 Primula, 1: 104, 111; 2: 202; 3: 339 Prunus, 1: 103, 108, 109 Puccinellia, 3: 606 Puccinia, 1: 131 Pyrus, 1: 108 Quercus, 3: 597, 603 Rhododendron, 1: 103 Rhoeo, 1: 107 Ribes, 1: 103 Rosa, 1: 104-112; 3: 596 Rosa, 1: 104-112; 3: 596 Rosaceae, 1: 113 Rubus, 1: 109; 3: 604 Salix, 1: 103-112; 3: 417-418, 419, 595, 598, 606-607 Saxifraga, 1: 112 Scirpus, 3: 596 Secale, 1: 475 Silene, 3: 606 Solanum 1: 112 Solanum, 1: 112 Spartina, 1: 112; 3: 340, 598 Sphaerocarpus, 1: 285 Tradescantia, 1: 107-109; 3: 601 Triticum, 1: 103, 110, 112 Verbascum, 3: 596 Vicia, 4: 122, 125 Vitis, 1: 103, 112 intraspecific Aegilops, 1: 471-473 Aesculus, 1: 112 Avena, 1: 483 Brassica, 1: 112 Canna, 1: 108 Crepis, 1: 112 Datura, 1: 108 Digitalis, 1: 112 Epilobium, 4: 123, 124 Fragaria, 1: 109, 112 Galeopsis, 1: 112 Gossypium, 1: 112 Gramineae, 1: 467 Haynaldtricum, 1: 472 Hepaticae, 1: 285 Hyacinthus, 1: 108 liverwort, 1: 285 Lycopersicum, 4: 121 Nicotiana, 1: 109 Oenothera, 2: 316-343 Petunia, 1: 108

Phaseolus, 4: 123 Phleum, 1: 112 Prunus, 1: 108 Pyrus, 1: 108 Rosa, 1: 112 Rubus, 1: 109 Salix, 1: 112 Saxifraga, 1: 112 Solanum, 1: 112 Spartina, 1: 112 Sphaerocarpus, 1: 285 Tradescantia, 1: 108 Triticum, 1: 112, 469-482 Viola, 1: 112 Hydrangea, 3: 554, 555 hydration, 1: 61 hydrazine, 5: 335 hydrazoic acid, 5: 335 Hydrobium, 2: 577 Hydrocharis, 4: 503, 519 Hydrocharitaceae, 3: 2; 5: 117, 124, hydrochloric acid, 2: 517, 285-287; 4: 584 hydrocyanic acid, 1: 255, 256; 2: 256; **5**: 189 Hydrodictyon, 4: 133 hydrogen, 5: 208 hydrogen, 5: 208 hydrogen donator, 3: 373, 374 hydrogen sulfide, 2: 285, 589 hydroleucite, 3: 3, 5 hydrolysis, 2: 475, 479, 484 Hydrophyllum, 5: 174 hydrophytes, 5: 553 Hydrophytes, 3: 408, 408 Hydropteridangium, 2: 408, 409 hydrotypes, 3: 447 hydroxylamine, 3: 104, 382, 385; 4: 156; 5: 334, 335 hydroxymercurichlorophenol sulphate, 2: 514 hydroxymercuricresol, 2: 514 hydroxymercurinitrophenol, 2: 514 Hyenia, 1: 441-443; 3: 565, 582, 583 hygrobes, 3: 447 Hygrobiella, 5: 90 Hygrolejeunea, 5: 92 Hygrophorus, 3: 356 Hylemyia, 1: 451 Hylocomium, 5: 182 Hymenocallis, 5: 106 Hymenomycetes, 3: 353 Hymenophyllaceae, 3: 459, 475; 5: 436, 437 Hymenophytum, 2: 55; 5: 56, 73, 93 Hyoscyamus, 4: 599; 5: 243, 257–259, 265, 267 Hypericaceae, 5: 119 Hypericum, 1: 107; 2: 352, 409; 4: 116, 252, 519

hyperparasitism, 4: 477, 478 hyperplasia, 4: 549, 568, 569; 5: 277, hyperploid, 2: 197 hypertetraploid, 3: 418 hypertrophy, 4: 549, 568, 569; 5: 289 Hypnea, 1: 142, 143 hypochlorite, 4: 591 Hypochnus, 4: 166, 169 Hypochoeris, 3: 596 Hypocrea, 4: 480 Hypogastranthus, 5: 91 hypogonianthus perianth, 5: 75 hypogynous cell, 1: 139 hypogyny, 5: 99 hypohaplont, 1: 271 Hypolepis, 3: 474 Hypomyces, 4: 480 hyponitrous acid, 5: 335 hypoplasia, 4: 549, 552, 553 hypoploid, 2: 197 hypothesis of chemical stimulation, 5: 328, 336 Hythia, 2: 403 iarovization, 2: 36, 37 Iberis, 3: 268 Icacinaceae, 2: 401 idioandrosporous, 2: 467 *i*-erythritol, 4: 156 *i*-inositol, 3: 619, 633 Ilex, 3: 35, 45, 427, 430, 431, 438; 4: 382 Illiceae, 2: 77, 78
Illiciae, 2: 78, 79, 84; 3: 42 Illinoia, 5: 260 imbibition, 4: 536 imbibition pressure, 4: 536, 537 i-methyl inosite, 3: 524
Impatiens, 1: 239; 3: 625; 4: 22, 23, 39, 519; 5: 132, 134, 376 Imperata, 5: 184 impregnated wrappers, 4: 430 incompatibility, 3: 414, 416; 4: 275; 5: 371 Indian tobacco, 5: 176 indicator plants, 2: 380; 5: 155 indigo, 5: 298 Indigofera, 4: 252 individual stuffs, theory of, 4: 277, 359 indole acetic acid, 4: 604; 5: 482, 485, 488, 658, 664-676 indole butyric acid, 4: 604

indole propionic acid, 4: 604; 5: 482 indophenol blue, 5: 362

infiltration, 3: 248

Inga, 3: 37 inheritance, 4: 113 inhibition, 4: 165–167, 171, 173, 479, 486, 487 inhibitory substances, 4: 171, 486 inositol, 4: 485, 486; 5: 330, 338, 339 insects, 1: 448 vectors, 1: 1-13, 459, 460; 5: 240, 273 intercalary cells, 2: 560, 561 intercellular material, 1: 56 internal browning, 4: 185, 196 internal cork, 4: 185, 196 internal morphology, 4: 53 interphase, 2: 531, 534, 535; 5: 563 intersexes, 1: 272, 275 intine, 4: 104 inulin, 5: 329 inversion, 1: 101; 5: 33 invertase, 5: 221, 227, 290, 302 in vivo investigations, 4: 446 iodine, 2: 188; 4: 431 iodine dust, 2: 517 iogen, 4: 93 ionic transfer, 2: 291 Ipomoea (see also sweet potato), 2: 10; 3: 295; 4: 251, 253, 256; 5: 121 Ips, 1: 451 Iridaceae, 1: 85; 4: 252 Iris, 1: 408; 3: 340, 341, 342; 5: 193, 260, 355 iron, **2**: 430, 431; **4**: 141, 174, 183, 186–188, 196, 197, 405; **5**: 207–216, 221-231 iron aceto carmine, 3: 242, 248 iron alum, 3: 252 iron alum haematoxylin, 4: 499 iron ammonium sulphate, 4: 405 ironwood, 5: 170 irradiation, 5: 1 irreversibility, law of, 1: 87 irritability, 3: 175 Isaria, 4: 478 Isatis, 3: 12 Ischaemum, 5: 184 Isoachlya, 5: 335, 340 Isoaces, 4: 517; 5: 436 isogamy, 2: 559 + Isogeneratae, 2: 558 isolation, 4: 400 isolation technique, 4: 627 isolators, 4: 642-648 Isopaches, 5: 91 iso-propyl-alcohol, 3: 249 Isotachis, 5: 78, 90 isotropic substances, 1: 56, 58 isotropy, 2: 478 isovaleric acid, 4: 155 itaconic acid, 4: 149, 155

Jack fruit (see also Artocarpus), 4: 17 Jackiella, 5: 91 Jamesoniella, 5: 62, 91 Janus green, 2: 85-87; 5: 355, 356. 362 Janusia, 4: 38 jataco, 4: 16 jelly, 2: 491 Jena glass, 5: 211 Jimson weed (see also Datura), 4: 256 jordanon, 3: 601 Joshua tree, 5: 170, 176 Jubula, 5: 64, 92 Jubuleae, 2: 63; 5: 87 Jubulineae, 5: 88 Juglandaceae, 2: 77; 3: 35, 38 Juglandales, 3: 421 Juglandium, 2: 403 Juglans (see also butternut and walnut), 1: 88; 2: 402; 3: 42; 4: 384; **5**: 426 juglone, 3: 197 jujube (see also Ziziphus), 4: 17 Juncaceae, 2: 76; 4: 35 Juncus, 3: 596; 4: 25, 27, 35, 246, 254; 5: 167 Jungermannia, 5: 75, 78, 91 Jungermanniaceae, 5: 88, 89, 91 Jungermanniales, 2: 53-64; 5: 50-60, Jungermannieae, 2: 63; 5: 87 Jungermanniineae, 5: 88, 90 juniper, 4: 390; 5: 170 Juniperus (see also red cedar), 1: 198, 199, 335, 340, 416; 2: 74 76, 83; 3: 340, 344; 5: 195, 644 Jurassic, 1: 183, 184; 2: 404, 408-412

K
kafir, 2: 505
Kalanchoë 2: 361; 3: 269
kale, 5: 292
kalymma, 5: 564
kames, 4: 419
kaoliang, 2: 505
kapok, 5: 283
kataphasia, 5: 290
katharometer, 1: 251
Kellermannia, 5: 344
Kendt's rule, 4: 514, 515
Kennedya, 4: 253
Kentucky blue grass (see also Poa),
4: 256
kinetic bodies, 2: 530
kinetochore, 5: 563
kinoplasm, 1: 23
Kitaibelia, 4: 253

Kleinia, 2: 105
Knautia, 4: 602
Kneuckeria, 4: 667
Knopp's solution, 4: 405
knotweed (see also Polygonum), 5: 172, 193
Kochia, 5: 162
Koeleria, 4: 58, 73, 74
kojic acid, 4: 140, 153
Kolachev's method, 2: 90
kroepek disease, 1: 9; 4: 551, 553, 569
Kuppenfärbung, 5: 357
Kyliniella, 4: 668

Labiatae, 3: 342; 4: 42, 251, 252, 270 Labrador tea, 5: 170 Laburnum, 5: 474 lacebug, 5: 276 Lactaria, 3: 522 lactic acid, 3: 197; 4: 140, 146, 147, 483, 630; 5: 219, 222, 330 Lactobacterium, 4: 88 lactoflavin, 3: 621 Lactomyces, 4: 146 lactose, 5: 329-333, 340 Lactuca, 2: 46; 3: 522 Lagenostoma, 2: 410; 4: 208, 211, 217, 218 Lagenostomales, 4: 210, 211, 213, 217, 218 lagenostome, 4: 217 Lagenostomeae, 4: 211 Laguncularia, 3: 37 lambs quarters (see also Chenopodium) 4: 256 lamina, 2: 355, 359 Laminaria, 2: 555, 561; 5: 364, 406 Laminariaceae, 2: 561; 5: 375, 379, 390, 393, 399, 401, 406 Laminariales, 2: 561 Lamium, 2: 224; 4: 25–27, 30, 42 lamtoro, 5: 285 land of Mu, 4: 1, 4 lanolin, 4: 604 Larix, 1: 103, 199; 2: 73, 83; 3: 344; 5: 644, 645, 647 Lasthenia, 5: 190 Lastrea, 3: 445, 468, 479; 5: 437, 438, 439, 443, 445, 448 Latah flora, 4: 387 latex, 3: 522 Lathyrus, 1: 239, 257, 260; 3: 14; 4: 253 latticed cell, 5: 387, 394 Lauraceae, 2: 401; 3: 35; 4: 242, 373,

383; 5: 126 Lauranthaceae, 5: 553

laurel, 4: 375 Laurinoxylon, 3: 42 Laurinum, 2: 403 Laurophyllum, 4: 373 Laurus, 2: 402 Lavatera, 4: 250, 251 layering, 4: 52 lead, 2: 511, 588, 593; 5: 211 lead diethyl dithiophosphate, 2: 515 leaf -blight, 2: 507 -crinkle, **5**: 281 -curl, **1**: 6, 8; **5**: 274 -differentiation, 2: 349 -drop, 4: 550 evolution, 3: 571 -fall, 1: 176 , peltate, 5: 116 -roll, 1: 2-7; 4: 193, 195, 550, 556, 558, 565+; 5: 245, 255, 267 -skin theory, 5: 103 -trace, 2: 355 Leathesia, 2: 557 lecithin, 4: 515; 5: 359 Lecythidaceae, 1: 91 leek, 4: 17 Leersia, 4: 32 Leguminosae, 1: 517; 3: 89, 219 Leguminosae, 1: 91; 3: 37, 38, 365; 4: 251–253, 256, 373, 383, 519, 570, 571; 5: 112, 124, 383 Leguminosites, 4: 373 Leiocolea, 5: 75, 91 Leiolejeunea, 5: 93 Leitparenchym, 5: 408 Lejeunea, 2: 63; 5: 55, 56, 70, 83, 93 Lejeuneaceae, 2: 64; 5: 63-70, 72, 75, 87, 89, 92 Lemanea, 4: 667, 668 Lemaneaceae, 4: 667-669 Lembidium, 5: 91 Lemna, 2: 116, 185; 3: 624; 4: 519, 603 lemon, 1: 410; 2: 484, 493; 4: 17, 167, 523, 524, 570; 5: 188 lentil, 4: 17 Lentinus, 4: 149; 5: 339 Lenzites, 4: 483; 5: 339 Leontodon, 5: 192 Leotia, 3: 354 Lepicolea, 5: 90 Lepidium, 2: 126; 4: 58, 257-259; 5: 190, 661, 665, 672 Lepidocarpon, 4: 214, 228 Lepidocarpon, 4: 214, 228 Lepidodendrales, 4: 206, 209, 214, 215 Lepidodendron, 1: 391, 444 Lepidolaena, 5: 64, 66, 76, 77, 90 Lepidopteris, 2: 407-410 Lepidostrobus, 4: 215

Lepidosia, 5: 51, 55, 62, 73, 81, 82, 91 Lepidoziaceae, 5: 91 Leptilon, 4: 58 Leptuon, 4: 38 Leptobyrsa, 5: 276 Leptocaryon, 4: 208 Leptochilus, 3: 469, 484; 4: 242 Leptocolca, 5: 93 Leptolejeunea, 5: 70, 93 leptom, 5: 374, 408 Leptobyrousus, 2: 604 Leptospermum, 3: 604 Leptospira, 4: 87 leptotene, 2: 538 Leptotesta, 4: 211, 213, 224 Leptotestales, 4: 213 Lescuria, 3: 42 Lescuropteris, 4: 225 Lespedeza (see also bush clover), 4: 256 lethal index, 4: 174 lethality, gametic, 2: 320; 4: 126 lethality, zygotic, 2: 320 lettuce, 1: 409; 2: 43, 44, 178, 179, 183, 238, 240, 252, 255, 392; 3: 269; 4: 17, 185, 256, 268 Leucaena, 4: 250; 5: 285 leucine, 3: 87-89, 622 Leucogenes, 3: 605 Leucolejeunea, 5: 92 leucophyll, 4: 479, 499 leucoplast, 4: 511-513, 518, 519; 5: 137, 384 Levatera, 4: 253 levulinaldehyde, 3: 526 levulose, 2: 431 Liagora, 1: 141, 145; 2: 557 liber, 5: 374 Libertia, 1:87 Libocedrus, 2: 83; 5: 193 Liesegang rings, 3: 18 life forms, 4: 51, 53, 61; 5: 546 life zones, 5: 166, 170 light, 1: 355; 2: 1, 97, 108, 267; 4: 23, 24, 30, 595 light-green, 3: 76; 5: 362, 399 Lignier's theory, 3: 571, 572, 584 lignification, 1: 58, 65, 68, 70, 71 lignin, 1: 54, 57, 58, 60, 68–70; 2: 484; 4: 405-408 lignite, 1:60 Ligulatae, 1: 391 Ligustrum, 2: 352, 356, 361; 5: 474 lilac (see also Syringa), 5: 298 Lilaea, 5: 127 Liliaceae, 2: 76, 581; 3: 346, 347 Liliaideae, 2: 573 Liliaideae, 2: 573 Liliam, 1: 201; 2: 532, 537, 539, 541, 542, 545, 574, 576; 3: 4, 242, 247, 251; 4: 285, 342, 357, 591; 5: 21, lily, 1: 2, 5, 7 lima bean, 4: 11 lime, 2: 516, 590, 591; 4: 17, 188 lime sulphur, 2: 588-595 Limnaea, 4: 113 Limnanthemum, 4: 243 Limnobium, 3: 11, 17, 21 Limnocharis, 5: 124-127 Limosella, 4: 22 Linaria, 4: 26, 27, 30, 43 linden (see also Tilia), 1: 40, 41, 45 line stuffs, theory of, 4: 279, 359 linen, 1: 25 linin, 5: 144 linkage, 2: 207 Linnaean species, 3: 412 linneon, 3: 601 Linopteris, 4: 223 Linum, 2: 105, 126; 3: 359; 4: 519 Liparidinae, 4: 23
Liparis, 4: 23, 27, 35
lipochromes, 3: 356
lipoids, 2: 531; 4: 94, 506, 510; 5: 142, 359, 532 lipoprotein, 4: 92, 94, 101 liposome, 2: 85 Liquidambar, 3: 264; 4: 387 Liviodendron (see also tulip tree), 2: 78, 134; 3: 264 litchi, 4: 17; 5: 297 lithium, 2: 187, 268, 288, 303; 5: 211 lithium chloride, 2: 298 Lithocarpus, 4: 377, 379 Lithospermum, 5: 164 litmus, 4: 153 Litorella, 5: 125 little leaf, 2: 593; 4: 194, 195, 198 little peach, 4: 436 live oak, 4: 389-392 liverworts (see also Hepaticae), 2: 53; 3: 587; 5: 142 llacou, 4: 16 *l*-lactic acid, **4:** 146 *Lobelia*, **3:** 359; **4:** 245 Lobostemon, 3: 602 lobule, **5:** 64 loco plants, 2: 375 Locusta, 2: 533 loganberry, 5: 297 Loiseleuria, 3: 434 Lolium, 1: 101, 104, 328; 3: 605 Lomaria, 3: 466, 476; 5: 438 Lomatium, 5: 164 Lomentaria, 1: 144 Lonchopteris, 4: 223 London clay, 4: 373 longan, 4: 17 longevity of seeds, 4: 235 Lonicera, 5: 125

Lophocolea, 2: 107; 5: 56, 61, 66-68, 74, 75, 81, 91 Lophodermium, 5: 339 Lopholejeunea, 5: 92 Lophotocarpus, 4: 245 Lophosia, 2: 63, 64; 5: 61, 62, 68, 81, Lophoziaceae, 2: 64 Lotus, 4: 251; 5: 195 Lucuma, **4:** 382 Lunularia, 1: 275; 3: 187; 5: 85, 94 Lunsia, 2: 408 Lupine, 1: 414; 3: 375, 390; 5: 170
Lupinus, 1: 168, 254; 2: 40, 48, 101, 424; 3: 131, 183; 4: 140, 147, 189, 253; 5: 664 Lychnis, 4: 587-589, 602 Lycopersicum (see also tomato), 1: 76, 108; 2: 200, 204, 205; 3: 356; 4: 121, 122; 5: 21, 24 lycopin, 2: 11 Lycopodiales, 1: 386, 388; 3: 572-575; 4: 229; 5: 52 Lycopodinae, 3: 420, 421 Lycopodites, 3: 572 Lycopodium, 1: 388-391, 394, 444; 3: 572; 5: 183, 187, 458 lycopods, 3: 571 Lycopsis, 2: 581 Lycurus, 5: 177 Lygidea, 5: 279 Lyginodendron, 4: 208 Lyginopterideae, 4: 211, 217, 218, 224 Lyginopteris, 1: 192, 397; 4: 208, 217, 218, 230 Lyginorachis, 1: 397 Lygodium, 3: 37, 39 Lygus, 5: 280-282 lyophilic colloids, 1: 30 Lysimachia, 4: 24 lysine, 3: 90, 385, 622 lysis, 3: 390, 499; 4: 168 Lythrum, 2: 4, 45, 47; 4: 312 lytic principle, see lysis

Machilis, 4: 388 Mackaya, 1: 83, 84 macrandrous, 2: 466-469 Macrocystis, 5: 406 Macrolejeunea, 5: 92 macromolecule, 1: 27 macrophyll, 3: 572 macrophyllous plants, 3: 563 + Macropiper, 5: 376 Macropsis, 1: 5; 5: 241, 245, 246, 255 Macrosiphum, 1: 5-7; 5: 245, 255, 260 macrospores, 2: 567-582

Macrosporium, 2: 503; 5: 215 Macrosteles, 5: 241, 245, 246, 248, 249, 251, 254 Macrozamia, 3: 344 Macvicaria, 5: 92 Macvicariaceae, 5: 87 Macvicarieae, 5: 87 Madia, 4: 253 madrone, 5: 170 madrono, 4: 389 magdala red, 1: 58; 3: 75 magenta, 3:80 magnesium, 2: 295–298, 458; 3: 58, 62; 4: 141, 186–189, 196, 197, 405; 5: 207, 211, 213, 221, 328, 335, 337, 342, 343, 535, 541 magnesium lime, 2: 590 magnesium sulfate, 5: 209, 211, 335; 4: 141 Magnolia, 1: 87; 2: 67, 78, 83, 368, 400, 401, 402; 3: 35; 4: 31, 382, 388 Magnoliaceae, 2: 68, 77, 78, 401; 3: Magnoliales, 5: 98 Magnolieae, 2: 77, 78 mahogany, 5: 538 Mahonia, 1: 106 Maianthemum, 2: 566, 571; 5: 182, 183, 187 maize (see also corn and Zea), 1:
292, 507; 2: 177, 178, 180, 183, 198,
199, 249; 3: 125, 183; 4: 11, 14, 16,
237, 246, 267; 5: 29, 475
Makednothallus, 5: 73, 93
Making 5: 02 Makinoa, 5: 93 Malachite green, 3: 76; 5: 354, 359 malates, 3: 524 Malaviscus, 3: 363 malic acid, 2: 592; 3: 197, 385; 5: 330 mallow (see also Malva), 5: 195 malonic acid, 4: 148 Malpighiaceae, 4: 31, 38 maltose, 5: 329, 340 Malus (see also apple), 1: 113; 5: 481, 646 Malva (see also mallow), 4: 39, 253, 257; 5: 655 Malvaceae, 3: 342, 347, 348; 4: 39, 251-253, 256, 270; 5: 474 Malvales, 5: 110 Malvastrum, 5: 195 mamei, 4: 16 manch, 4: 10
manchon meristématique, 5: 464, 467
manganese, 2: 173–189, 365; 3: 199,
308; 4: 141, 186–190, 196, 197; 5:
207, 209–211, 213, 220, 222, 223, 226,
229, 231, 336–338, 342–344

manganese sulfate, 5: 211, 228

mangel, 3: 196 mango, 4: 17; 5: 283 mangold, 3: 103, 111 mangosteen, 4: 17 mangrove, 5: 161 manihot, 3: 523, 525 Mannia, 5: 84, 94 mannitol, 3: 622; 4: 140, 149; 5: 329, 330, 333, 340 mannose, 5: 329, 330, 333, 340 Manoilov test, 4: 584, 585 manzanita, 4: 389-392; 5: 176 maple (see also Acer), 4: 380, 381; **5:** 161, 170, 195 maquis, 2: 221 Maranthaceae, 5: 126 Marattia, 3: 459; 5: 438 Marattia, 3: 459; 5: 438 Marchantia, 1: 272-274, 277, 282; 2: 55-58, 122, 137; 3: 187, 263, 360; 4: 507; 5: 50, 53, 57, 84-86, 94 Marchantiaceae, 2: 55-59; 5: 52, 86-Marchantiineae, 5: 88 Marchantiopsis, 5: 94 Marchantites, 3: 35, 38 Marchesinia, 5: 68, 92 marigold, 5: 299 Marsilea, 5: 400, 434, 436, 447, 449 Marsupella, 5: 67, 78, 91 Marsupellaceae, 5: 88, 89, 91 Marsupidium, 5: 77, 91 Mascall flora, 4: 387 Mascarenhasia, 3: 525, 528 Massalongoa, 5:94 massif parenchymateux, 5: 464 Mastigolejeunea, 5: 92 Mastigopelma, 5: 91 Mastigophora, 5: 90 matrix, 2: 530-547 Matsucoccus, 5: 298 matsutake, 4: 418 Matteucia, 3: 469, 481 Matthiola, 1: 101; 3: 268; 4: 115 Mauritia, 4: 242 Mayaca, 4: 22, 34 Mayacaceae, 4: 34 Mayer's albumen, 3: 242 Mazocarpon, 1: 394 mealybug, 5: 274, 278, 287, 310-316 Medicago (see also alfalfa), 1: 408; 3: 378; 4: 251, 253 Medullosa, 4: 217, 220, 221, 223 Medulloseae, 4: 211, 212, 218, 223, 224 Megaceros, 2: 53, 54; 5: 80, 94 Megalopteris, 4: 226 megaphanerophytes, 5: 553 meiosis, 1: 100-104, 109, 270, 271; 2: 198, 318, 326, 536-542, 557; 4: 399, 592; 5:2

Melanconium, 5: 344 Melandrium, 3: 406, 420 Melanospora, 4: 478, 480, 481, 485, 486, 488 Melanthium, 1:81 Melia, 5: 283 Meliaceae, 3: 35 melic grass, 5: 176 Melica, 2: 224 Melilotus, 3: 378; 4: 250-253 Meliola, 1: 331 Meliosma, 4: 382 melleic acid. 4: 156 mellein, 4: 156 melon, 2: 261, 494; 4: 17 Melosira, 1: 151, 158-160 membrane, nuclear, 5: 145 membrane, plasma, 5: 142 Meniscium, 3: 468 Menispermaceae, 2: 401 Menispermites, 2: 402; 3: 35 Menoidium, 2: 86, 89, 91 Mentha, 3: 348 Mentzelia, 2: 387; 5: 188, 195 Menyanthoideae, 5: 107 Mercurialis, 2: 224; 4: 253, 588, 589, 601 mercuric chloride, 2: 384, 499, 502, 506, 510, 516-519, 593 mercuric furfuramide, 2: 514 mercuric iodide, 2: 502 mercuric phenyl cyanamide, 2: 515 mercury, 2: 188, 508, 511-515, 593 mercury dust, 2: 520 mercury spray, 2: 593 meristem, 2: 368, 422, 423; 5: 454 Meristotheca, 1: 143 Merko, 2: 508, 514, 515 merophytes, 5: 67, 70 Mesembryanthemum, 3: 361; 5: 119 Mesogloia, 2: 560 mesohistogen, 3: 555 mesophytes, 3: 447 Mesoptychia, 5: 79, 80, 91 Mesozoic, 1: 184; 2: 402, 404, 405, 407, 409, 413 Mespilodaphne, 3: 37 Mespilus, 2: 131, 489; 3: 558 mesquite (see also *Prosopis*), 2: 222; 5: 161, 163, 170, 178, 180 metachromasy, 5: 361 metachromatic grains, 5: 360 metachromatic granules, 2: 88, 89 metachromatin, 1: 57, 65; 2: 88; 3: 15, 17; 4: 93 Metaclepsydropsis, 1: 428, 430, 431, 437 metamorphosis, 1:77 metaphase, 2: 326, 530-547; 5: 146,

metaphloem, 5: 409, 418 Metarrhizium, 5: 303 metastases, 2: 443 methyl blue, 5: 230, 362 methyl glyoxol, 5: 222, 223 methyl green, 3: 80; 4: 585; 5: 362 methyl red, 2: 446; 3: 22; 5: 353–355 methyl violet, 3: 77; 4: 87, 94; 5: 352, 355 methylal paraffin oil, 3: 249 methylene blue, 2: 16; 3: 22, 75, 78; 4: 87, 585–587, 593; 5: 355, 359, 360, 362–364, 399, 401, 634 methylene blue nitrate, 5: 358 Metzgeria, 2: 55; 5: 73, 84, 93 Metzgeriaceae, 2: 61; 5: 87-89, 93 Metzgerineae, 5: 93 Metzgeriopsis, 5: 93 micellar theory, 1: 53 micelle, 1: 27, 28, 53, 60-66; 2: 477, 486 Michaelis constant, 3: 387 micorrhiza, 3: 216; 5: 332 micro-association, 1: 212 Microcachrys, 1: 199 Microchaete, 2: 14 Micrococcus, 1: 405 micro-crushing, 4: 107 Microcycas, 1: 188, 189; 3: 344 microcyst, 4: 106 microdissection, 4: 641 microguillotine, 4: 642 microincineration, 4: 641 microinjection, 4: 107, 641 Microlejeunea, 5: 70, 93 Microlepidosia, 5: 71, 91 micromanipulators, 4: 638-642 microorganisms, isolation, 4: 627 microphyll, 3: 572 microphyllous plants, 3: 563+ micropipettes, 4: 642-644 Micropierygium, 5: 63, 91 micropylar structures 2: 568-582 micro-species, 1: 210 microsporophyll, 2: 413 Microstylis, 4: 35 middle lamella, 1: 54-57, 69; 2: 485; 5: 388, 391 midrib, 2: 355 mildew, 1: 119, 125, 130, 500, 502, 506; 2: 241, 248, 265, 268, 272, 511, 591–594; 3: 278; 4: 415, 477 Milleria, 1: 395, 396, 398 millet, 2: 37, 506, 512; 3: 271; 4: 8, 11, 17; 5: 190 Millon's reagent, 4: 517 milo, 2: 505 Mimosa, 2: 4, 46, 47; 4: 250-253; 5:

Mimosaceae, 3: 35 Mimosites, 3: 43 Mimulus, 2: 45; 4: 598; 5: 120, 121, 189, 195 Mimusops, 3: 37 mineral oil, 2: 594 minioluteic acid, 4: 155 minor elements, 2: 173 mint, 4: 434 Miocene, 1: 184; 2: 398, 399; 3: 32, 43; 4: 371, 372, 374, 381, 385–394 Mirabilis, 1: 238, 239; 5: 120 mirids, 5: 274–288 Mitchella, 5: 183 mites, 5: 289 itochondria (see also chondrio-some), 2: 85; 3: 4, 5; 4: 521; 5: mitochondria 137, 149 mitogenetic rays, 1: 416 mitosis, 2: 529; 4: 92, 446; 5: 2 mitotic apparatus, 5: 145-147 Mitrospermum, 4: 213, 226 Mittenia, 2: 61 Mnioloma, 5: 91 Mnium, 1: 269, 275; 4: 507 Modiola, 4: 252 Moerckia, 5: 93 moist chambers, 4: 648 mole, la, 4: 415, 417
molybdenum, 2: 187, 378, 393; 3: 387, 388; 5: 207, 209, 210, 223, 230, 231, 337, 342, 344 Momisia, 3: 37 Monilia, 1: 501; 2: 257, 258; 4: 146, 152, 404, 416 monoacetin, 5: 329 monoamino acids, 3: 87 Monocarpellites, 3: 42 monochasium, 5: 105 monoclassimi, 5: 105
monoclamydius, 3: 547
Monoclea, 2: 58-60; 5: 83, 93
Monocleaceae, 2: 59; 5: 87, 89, 93
monocolpate pollen, 2: 69
monoecism, 1: 274, 275; 4: 359
monoploid, 2: 197
monocoacherida 2: 00 monosaccharides, 3: 89 Monoselenium, 2: 58; 5: 53, 85, 94 monosomics, 2: 197, 198; 5: 146 Monostroma, 4: 135 moor, 2: 221 Moraceae, 3: 35-38; 5: 98 Morchella, 4: 417, 419 morel, 4: 419 Moringa, 2: 579 morphotic phenomena, 3: 185 Morus, 4: 587; 5: 462 mosaic (see virus) mosquitobug, 5: 282 mosses (see also Bryophytes and

Musci), 1: 269; 2: 53, 54; 3: 587, 588; 4: 117, 121, 447; 5: 135 mottle-leaf, 2: 593 mottling, 4: 192, 193 mountain mahogany, 5: 176 Mu, Land of, 4: 4, 5, 8 Mucor, 3: 634; 4: 144-146, 149, 152, 156, 478; 5: 224, 225, 333, 339, 343 Mucoraceae, 4: 477, 478, 483, 484, 491, 492 Mucorales, 5: 208 mucus bodies, 2: 86-88 Muehlenbergia, 4: 33, 67, 264; 5: 171, 177, 183 muhly, 5: 171 mung beans, 4: 438 Musa (see also abaca and banana) 2: 364; 3: 522, 523, 540; 5: 359 Musaceae, 2: 76 Musci (see also masses), 1: 269+; 3: 588; 5: 49, 52, 54 mushroom (see also fungi), 4: 397, 416, 481 Musineon, 4:72 muskmelon, 4: 256, 268 mustard, 2: 392; 4: 17 mutation, 1: 233; 2: 316; 3: 176; 5: 1. 10 Mutisieae, 5: 107 Mya, 2: 4Mycelioptera, 4: 404 Mycobacterium, 4: 95, 100 Mycogone, 4: 415, 481 mycophenolic acid, 4: 155 mycorrhiza, 3: 217 myelin figures, 5: 359 Myeloxylon, 4: 221 Mylia, 5: 68, 91 Myosotis (see also forget-me-not), 1:239; 5:17 Myrcia, 3: 35, 37, 43 Myrica, 2: 402; 3: 35; 5: 641, 642, Myricaceae, 2: 403 Myricaria, 2: 573 Myriococcum, 4: 404 Myriocolea, 5: 93 Myriophyllum, 4: 243 Myriotrichia, 2: 557 Myriotrichiaceae, 2: 560 Myristica, 3: 39 Myrmecodia, 4: 31, 43 Myrtaceae, 2: 401, 403; 3: 35, 38; 4: 242 Myrtillus, 5: 182 Myrtus, 3: 597 Mytilopsis, 5: 91

Mytilus, 4: 99

Myxococcus, 4: 100

Myxomycetes, 5: 142, 148 Myxosporium, 4: 570 Myzus, 1: 2, 5, 7; 5: 241-267, 288

N

Naemosphaera, 5: 344 Nageli's hypothesis, 1: 53, 61, 62 Najadaceae, 3: 2 Najas, 4: 245; 5: 127 nanophanerophytes, 5: 552, 553 naphthol, 2: 594
Narcissus, 2: 211; 3: 111, 356; 4: 551; **5:** 106. Nardia, 2: 63, 64; 5: 80, 91 Nasturtium, 1: 86; 2: 43, 117; 4: 245 Navicula, 1: 151, 154 necrobiosis, 4: 567, 568 necrosis, 4: 189, 192-196, 549+; 556, 568, 569 Nectandra, 3: 35, 37, 44; 4: 382 nectaries, 5: 98, 103-105 Nectria, 2: 248, 266; 4: 570; 5: 339 needlegrass, 2: 391; 4: 63; 5: 176 negative straining, 4: 108 Nelumbites, 2: 402 Nelumbium, 2: 402; 4: 251 Nelumbo, 3: 35; 4: 244, 246, 248, 254, 259, 270 Nelumbonoideae, 5: 128 Nemalion, 1: 139 Nemalionales, 4: 667-669 Nemalionales, 4: 667–669 Nemastomales, 4: 669 nematodes, 4: 433, 434, 481 Nematospora, 2: 273; 4: 485, 486; 5: Neottia, 3: 357; 4: 513 Nepenthes, 2: 352; 5: 116 Nephotettix, 1: 2, 5, 452; 5: 241, 244 249, 255 Nephrodium, 3: 468, 476, 479, 492; 5: 437, 438, 439, 443, 444, 445, 448 Nephrolepis, 3: 470, 477, 480; 5: 438 Nereocystis, 5: 406 Nerium, 3: 355 net blotch, 2: 504 net osmotic pressure, 4: 543 Neurolejeunea, 5: 69, 92 neuropterids, 2: 406 Neuropteris, 4: 218-221, 223, 230 Neuropterocarpus, 4: 219 Neurospermum, 4: 219 Neurospora, 4: 169, 172; 5: 12, 17, 21, neutral red, 2: 87-91; 3: 9, 16, 18, 22; 4: 585, 593; 5: 354-364, 377 neutral violet, 2: 88, 89; 4: 593 neutrons, 5: 16 New Morphology, 1: 77, 88-90

nickel, 2: 188, 508, 511; 5: 211, 215, nickel hydroxide, 5: 231 Nicotiana (see also tobacco), 1: 11, tonana (see also tobacco), 1: 11, 101-111; 2: 44, 45, 133, 135, 198, 202, 357, 361, 363, 365; 3: 559; 4: 256, 262, 281, 291, 294-304, 347, 448, 549, 599; 5: 4, 10, 15, 16, 21, 24, 28, 29, 31, 146, 195 Nidularium, 4: 31 Nigella, 1: 239; 5: 124, 125 Nigritella, 3: 437 nigrosin, 4: 635 Nile blue, 2: 89; 5: 361, 362 Nilssonia, 2: 410 nim, 5: 283 nim, 5: 263
Nipadites, 3: 39
Nitella, 2: 283, 288, 390; 3: 10, 11, 13, 21, 22, 113, 126, 313; 5: 533
nitrates, 2: 273, 295, 458; 3: 86, 112–145, 158; 4: 186, 187; 5: 331–337
nitric acid, 2: 285 nitrite, 2: 261; 3: 86, 145; 5: 334, 337, 345 nitrogen, 2: 256, 257, 267, 269, 273; 3: 47, 58, 62, 85, 211, 215-219, 311, 365; 4: 141, 405, 408, 411, 589, 591, 592, 603, 604; 5: 188, 208, 216, 218, 220, 221, 223, 328, 331-335, 337, 342, 423, 402 343, 493 nitrogen fixation, 3: 365 nitrohydroxylaminic acid, 5: 335, 337 nitropectin, 2: 478 nitrous oxide, 5: 335 Nitzschia, 1: 153, 154 Noctiluca, 2: 86 Noeggerathia, 1: 395, 398 Nolina, 5: 171 non-disjunction, 2: 199, 343 non-polar molecules, 4: 536 Noterolar molecules, 4: 536 normal-butyl alcohol, 3: 248 Noteroclada, 2: 55, 63 Nothochlaena, 3: 477; 5: 437 Nothocladus, 4: 667, 668 Nothofagus, 2: 402; 3: 603, 607, 608 Nothofagus, 3: 605 Notoscyphus, 5: 91 Notothylas, 2: 53, 54; 4: 517; 5: 80, 84, 94 Nowellia, 5: 91 n-tetracosanic acid, 4: 150 nucellus, 5: 114 nuclear sap, 5: 145, 355 nucleic acid, 4: 92, 93 nucleolus, 2: 534; 5: 3, 143, 144, 355 nucleoprotein, 2: 531 nucleosome, 4: 91 nucleus, 2: 462; 4: 89, 450; 5: 2, 25, 143–147, 354, 375

nucule, 4: 205, 211, 226
nulliplex, 2: 197
Nuphar, 3: 352; 4: 243; 5: 128
nutrillite, 3: 616; 4: 484
nutrition, 3: 307; 4: 183; 5: 207
Nyctaginaceae, 3: 38
Nyctalis, 5: 332, 340
Nymphaea, 2: 76; 4: 243, 245; 5: 128
Nymphaeaceae, 2: 76, 77, 83, 401; 5: 128
Nymphaeoideae, 5: 127
Nymphosanthus, 4: 245
Nyssa (see also tupelo), 3: 35, 37, 42, 44, 46; 4: 388
Nystroemia, 4: 224, 225

Ooak (see also Ouercus), 1: 40, 41

oak (see also Quercus), 1: 40, 41, 45, 48; 4: 60, 242, 380; 5: 155, 160, 161, 170, 188, 196 oat (see also Avena), 1: 114, 467 +; 2: 180-188, 268, 269, 498-515, 520, 521, 538; 3: 108, 122, 125; 4: 11, 17, 34, 167, 183, 189, 196, 256, 266, 269; 5: 176, 275, 648 oatgrass, 5: 174 obdiplostemony, 1: 82-85; 5: 105, 106 Oberonia, 4: 23, 35 obliteration, 5: 422 oca, 4: 16 Ochracin, 4: 154 Ocotea, 4: 382 octoploid, 1: 481; 2: 207; 3: 342 Odontolejeunea, 5: 92 Odontoschisma, 5: 51, 62, 91 Oedocephalum, 4: 404 Oedocladium, 2: 456+ Oedogoniacea, 2: 456 Oedogoniales, 2: 456 Oedogonium, 2: 103, 456+; 4: 133; 5: Oenothera (see also evening primrose), 1: 107; 2: 127, 316, 351, 353, 356, 357, 566, 569; 3: 242; 4: 113, 115, 116, 127, 256-259; 5: 4, 21
Oenotheraceae, 2: 569 oestrogenic sterols, 3: 617 oestrogene, 3: 629, 633 Oidium, 4: 152, 483; 5: 360 oil spray, 2: 594 Olearia, 3: 603 Oligocene, 2: 400; 3: 32, 42; 4: 371, 382, 386, 391 oligodynamic effect, 5: 208 olive, 1: 407; 4: 17, 416 Ollula, 5: 344 Olpidiopsis, 4: 477, 491 Omphalanthus, 5: 69, 92 Onagraceae, 4: 256, 259

onion (see also Allium), 1: 3; 2: 180, 256, 516; 3: 93, 197; 4: 17, 187, 256, 268; 5: 161, 241, 561
Onobrychis, 4: 71 Onoclea, 3: 469 Ononis, 4: 37, 253 Onopordon, 4: 256 oogamy, 2: 559 + oogonia, 2: 467-469, 568, 580, 581 Oomycetes, 1: 330 Oonopsis, 2: 387-393; 5: 188 Oospora, 4: 404, 480 oospore, 2: 460, 470 Operculatae, 5: 87, 89 Ophiobolus, 1: 343, 348; 2: 265; 4: 166, 168, 487; 5: 332 Ophioglossaceae, 1: 427, 442; 3: 473, 478Ophioglossum, 1: 263; 3: 473, 474, 478, 488-490; 5: 444 478, 486—490; 5: 444 opposition factors, 4: 290–359 Opuntia, 1: 263, 419; 2: 99; 5: 163 orange, 2: 252, 484; 4: 167, 432, 433 orchid, 3: 623; 4: 446, 519, 603 Orchidaceae, 3: 347; 4: 35; 5: 120, Oreodaphne, 3: 35, 37 Oreodoxa, 4: 242 Oreopanax, 3: 35, 37, 43; 4: 388 organogenesis, 1: 78 organule, 2: 419 Orobanche, 3: 357 Orogenia, 5: 174 Orotium, 4: 245 O-R potential, 4: 107 orthocarpus, 5: 172 Orthocaulis, 5: 61, 62, 91 orthogeotropism, 3: 176, 177 Orthotylus, 5: 278 Oryza (see also rice), 1: 239 osage orange, 1: 41 Oscillaria, 5: 148 Oscillospira, 4: 90 osmic acid, 2: 88, 90; 3: 245; 4: 586 osmic fixation, 2: 85-88 osmic impregnation, 2: 88-91 osmiophilic platelet, 5: 134, 141 osmium, 2: 593 osmophillic platelet, 3: 6, 7 osmosis, 3: 2; 4: 531 osmotic concentration, 4: 533; 5: 659 osmotic potential, 4: 533 osmotic power, 4: 533 osmotic pressure, 2: 269; 4: 531 osmotic quantities, 4: 543 osmotic value, 4: 124, 533; 5: 540 Osmunda, 2: 70, 82, 108; 3: 5, 459, 475, 478, 492; 5: 437, 438, 442, 445, Osmundaceae, 3: 459, 475, 478; 5: 437, 438 osteoblast, 2: 419 Ostrya, 4: 376 Osyris, 5: 127 Otigoniole jeunea, 5: 93 Ovularia, 5: 215 ovule, 4: 446; 5: 102 ovuliphore, 1: 85 oxalacetic acid, 3: 385 oxalates, 3: 524 oxalates, 3: 524 oxalic acid, 2: 236–239, 250–252; 3: 197; 4: 140, 144, 145; 5: 218, 219 Oxalidaceae, 4: 38 Oxalis, 2: 52, 117, 124; 3: 130, 262; 4: 16, 25, 32, 38, 523; 5: 182 oxidase, 2: 252; 3: 524, 538; 4: 584; **5**: 223, 276, 542 oxidation potential, 4: 584, 586 oxidation reduction potential, 4: 107; 5: 362 Oxyanthera, 4: 36 oxydasis, 5: 362 oxyflavon, **4**: 523 oxygen, **3**: 318; **4**: 406–409, 413; **5**: 208 oxygen bridge, 2: 477 Oxylobium, 4: 252 Oxymitra, 5: 94 Oxyrrhis, 2: 87, 88 Oxytropis, 2: 382; 4: 253 ozone, 4: 433 Ozothamnus, 3: 602 pachyphase, 2: 341, 342 Pachytesta, 4: 212 Pachytheca, 3: 564 padi straw fungus, **4:** 397, 418 *Padina*, **5:** 360 Padama, 5: 300
Paccilomyces, 4: 144
Paconia, 1: 107; 3: 254
Pahala blight, 4: 190, 196
Palacocycas, 2: 411
Palacopitys, 1: 399; 3: 576, 577, 581
Palacozoic, 1: 184; 2: 405, 409; 4: 205 Palaguium, 3: 522 palitantin, 4: 156 Paliuris, 3: 35, 43 palladium, 2: 187 Pallavicinia, 2: 55, 61; 5: 55, 56, 60, 83, 93 Pallaviciniaceae, 5: 93 palm, 4: 375; 5: 170 Palmaceae, 2: 76, 83 Palmatopteris, 4: 217 palmetto, 5: 191

Palmocarpon, 3: 43

Palmoxylon, 3: 43 palo verde, 5: 176 Panaeolus, 4: 404 Pandanophyllum, 2: 403 Pandanus, 2: 580 Panicum, 1: 454; 2: 10, 455; 4: 27, 32, 59; 5: 189 pantothenic acid, 3: 391, 392, 619, 627; 5: 338, 339 papain, 3: 524 Papaver, 1: 109, 407; 3: 356, 435, 439-441, 522, 524 Papaveraceae, 1: 81, 84; 4: 36; 5: 120, 121 papaw, 1: 41 papaya (see also Carica), 4: 16, 587 papayotin protease, 4: 584 Papilionaceae, 3: 35; 4: 37 Pappophorum, 4: 33 Papulospora, 4: 404 parabase bodies, 2: 91, 92 paracarpy, 5: 121-124 paraformaldehyde, 2: 508, 510 parallelism, 2: 60 Paramaecium, 2: 20 paranitrophenol, 2: 594 paramtophenot, 2: 594
paraphyllia, 5: 76

Parasitella, 3: 634; 4: 477, 478, 484,
492, 493; 5: 339
parasitism, 2: 236; 4: 477, 491
parasporal body, 4: 104
Parasymanic, 2: 241, 272 parasynapsis, 2: 341, 352 Paratrioza, 1: 454; 5: 308, 309 parenchyma, 5: 374, 407, 408, 411, Parietales, 5: 110 Paris, 3: 242 Parkériaceae, 3: 459, 475 Farkeriaceae, 3: 409, 4/5
Parnassia, 3: 443; 5: 122
parsnip, 2: 389; 4: 17
Parthenium, 3: 525, 528, 530
parthenocarpy, 4: 581, 583, 604
parthenogenesis, 1: 156; 2: 557; 5: Parthenospores, 2: 471 Pasmo disease, 2: 506 Passiflora, 5: 122, 123 Pavonia, 4: 29, 39 p-cresol, 2: 295, 297 pea (see also Pisum), 1: 3-6; 2: 67, 265, 317, 389, 446, 514; 3: 87, 88, 112, 367, 369, 370, 375; 4: 17, 256, 432, 603; 5: 161, 245, 255, 486 peach (see also Amygdalus), 1: 5; 2: 255, 493, 494, 586, 588, 589, 590, 593; 3: 113, 116, 139, 158, 288, 295; 4: 17, 431, 432, 435, 436; 5: 241, 201, 372 281, 475 peanut (see also Arachis), 2: 9; 4: 16; 5: 113, 161, 299

pear (see also *Pyrus*), 1: 114, 408, 488, 508; 2: 180, 255, 259, 485, 493, 494, 586, 590; 4: 17, 284, 432, 433, 644, 658; 5: 103, 296 pea vine, 5: 195 pecan, 2: 593; 4: 194, 198 Pecopteris, 4: 224, 225 pectase, 2: 488, 489 pectic acid, 2: 475, 476, 480 pectic compound, 1: 54–60, 69–71, 76 pectic enzymes, 2: 487, 490 pectin, 2: 475 pectinase, 2: 239, 250-253, 257, 260, 488, 489 pectinic acid, 2: 479, 481, 486, 489 pectolase, 2: 488 pectosase, 2: 488 pectose, 2: 475 pectose sugar, 1: 54 pectosinase, 2: 488 pectosinase, 2: 488

Pedinophyllum, 5: 91

Pelargonium, 1: 85; 2: 17, 352, 356, 361, 362, 364, 451; 3: 58, 59, 554, 556, 604; 4: 504; 5: 489, 490

Pellaea, 5: 436–438

Palica 5: 50 54 55 60 92 94 02 Pellia, 5: 50, 54, 55, 60, 82, 84, 93 Pelliaceae, 2: 61; 5: 93 pellicle, 5: 142 Peltandra, 4: 245 Peltaspermaceae, 2: 409 Peltigera, 3: 360 Peltolejeunea, 5: 92 Peltolepis, 5: 94 Pelvetia, 5: 407 Penaea, 2: 571 Penaeaceae, 2: 571 penicillic acid, 4: 155 penicillin, 4: 488 Penicillium, 2: 250, 252, 262, 502, 503, 505, 507; 4: 142–156, 167, 478, 479, 488, 489; 5: 215, 216, 218, 224–226, 229-231, 328, 329, 330, 332, 335, 338 Pennales, 1: 149-160 Pentalonia, 1: 5, 7 pentathionic acid, 2: 589 pentosan, 4: 404, 407 Pentstemon, 1: 112; 3: 340, 598; 5: 172, 195 172, 193
Peperomia, 2: 566, 570, 571, 582
Pepper (see also Piper), 2: 516; 4:
16, 256; 5: 283
Peptone, 2: 273, 423; 5: 218
Peranema, 2: 86, 87, 89, 91
Percentage frequency, 2: 223, 4: 65 percentage frequency, 2: 223; 4: 65 Peregrinus, 1: 5, 9 perforated plate culture, 4: 635, 650 periblem, 2: 349, 351; 5: 457 pericycle, 2: 429 Peridermium, 1: 335

Perigrinus, 5: 253 perigynium, 5: 75 perigyny, 5: 102 Perilla, 3: 271 periodicity, 2: 460; 4: 52 Perkensiella, 1: 5-9 permanent smear, 3: 241 permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 241
permanent sinear, 3. 179, 594; 3: 278; 4: 602 Peronosporaceae, 1: 330 peroxidase, 3: 524; 4: 586; 5: 223 Persea (see also avocado), 3: 35, 37; persimmon (see also Diospiros), 4: persulphate, 5: 335 Pestabozzites, 3: 44 Pestalozzia, 5: 344 Petalophyllum, 2: 64; 5: 93 Petunia, 1: 108, 239; 3: 242; 4: 327, 328, 599; 5: 21 Peziza, 3: 355; 4: 154, 404 Pfeffer's solution, 5: 209, 211 Phacelia, 2: 4; 5: 194 Phaeophyceae, 2: 554; 4: 132, 136; 5: 361
Phaeophyta, 4: 447, 448
Phaius, 4: 513
Phalus, 4: 513
Phalus, 4: 525, 264
phanerophytes, 5: 550-552
phaneroplasm, 1: 23
Pharbitis, 1: 235-240; 3: 268
Phascolus (see also bean), 1: 254, 407; 2: 8, 12, 36, 100, 104, 120, 270; 4: 123, 253, 563; 5: 144
Phegopteris, 3: 470, 479, 480, 492; 5: 438 5: 361 438 Pheidole, 5: 312 phellandrene, 2: 594 pheloderm, 2: 429 phenicin, **4:** 153 phenol, **2:** 508 phenol red, **5:** 361 phenolic acid, 2: 504
phenology, 4: 54, 60
phenylacetic acid, 4: 604
phenylalamine, 3: 524, 622
phenylethylamine, 4: 156
Pherosphaera, 2: 73, 83
Philadelphus, 1: 104, 106; 4: 377
Phleum (see also timothy), 1: Phileum (see also timothy), 1: 112; 3: 339; 4: 255; 5: 189 phlobaphene, 3: 357 phloem, 4: 564+; 5: 373, 421, 471+ phloem necrosis, 4: 556 phloxine, 3: 75, 76

Phlyctaena, 2: 506 Phoenicites, **3**: 39 Pholiota, **4**: 647 Phoma, **2**: 518; **5**: 215, 332, 344 Phormidium, 2: 14 Phormium, 3: 355 phosphate, 2: 458; 4: 188, 405, 411 phosphoric acid, 2: 295, 296, 458; 5: 286 phosphorus, 2: 268, 431; 3: 47, 58, 62; 4: 141, 191–197; 5: 207, 208, 220, 328, 335, 337, 342, 343, 493 photodynamic action, 2: 15 photonasty, 2: 46 photoperiodism, 2: 34-36; 3: 259, 268; 4: 581 + photosynthesis, 2: 6, 457 phototropism, 1: 176; 5: 655 Phragmidium, 1: 338, 354 Phragmonema, 4: 667, 668 phragmoplast, 5: 146 Phreatia, 4: 35 phreatopytes, 5: 556 Phrymaceae, 5: 125 phycocyanin, 2: 7 phycocyanin, 2: / phycocythrin, 2: 7; 4: 670 Phycomyces, 2: 4, 108; 3: 621, 634; 4: 154, 484; 5: 332, 339, 655, 661, 662, 672, 674, 675, 676 Phyllachora, 1: 335 Phyllactinia, 1: 125 Phyllanthus, 2: 402 Phyllitis, 3: 470, 477 Phyllocoptes, 5: 297 phylloid, 1: 387; 3: 571 Phyllophora, 1: 142–146; 2: 557 Phyllosticta, 5: 344 Phylloxera, 5: 292–296 phylogenetics, 3: 400 Phymatotrichum, 4: 438, 478; 5: 328, 329, 332, 338 Physalospora, 4: 637 Physaria, 5: 174 Physcomitrium, 279-283 physiognomic dominance, 5: 555 physiognomy, 4: 52, 53, 54 physiological specialization, 1: 119, 505 physiologic forms, 1: 119 Physiotaceae, 5: 89 Physocarpus, 5: 183 rnysocarpus, 5: 183
Physoderma, 2: 105
Physostoma, 4: 211, 218
Physostomeae, 4: 211
phytamin, 3: 218
Phyteuma, 3: 437
phyteoreases 2: 440, 45 phytocoenose, 3: 449-451 phytogeography, 3: 425 Phytolacca, 4: 256; 5: 127

Phytolaccaceae, 1: 81; 4: 256; 5: 127 Phytolyma, 5: 298 Phytomastigoda, 2: 85 phytomelane, 3: 360 phytometer, 5: 557 Phytomonadida, 2: 87, 89 Phytomonas, 1: 406, 411; 3: 504–514; 4: 570, 629 Phytophthora, 1: 504; 2: 179, 241, 259; 4: 168, 434, 438, 677; 5: 339 phytosociology, 3: 441–451 phytosterol, 3: 629 Picea (see also spruce), 1: 192, 199; 2: 8, 78, 83; 3: 344, 429; 4: 247; 5: 189, 461, 642, 643, 645, 646 pickerelweed (see also Pontederia), **5**: 163 picoline, 3: 197 picramic acid, 4: 586 picric acid, 2: 594, 595; 4: 519, 586 Pieris, 3: 45 Piesma, 5: 244 Pigafettia, 5: 90 Pigaretta, 5: 90
pigmentation, 3: 351
pigments, 4: 140, 153; 5: 215
pigweed, 2: 45; 4: 598; 5: 275
Pilaira, 3: 634; 5: 332, 339, 340
Pilobolus, 1: 327; 2: 107; 5: 672, 675
Pilophorosperma, 2: 410, 411
Pilophorosperma, 2: 506 Pimpinella, 3: 596 Pinaceae, 1: 195 pine Digger, 5: 170, 176 ecology, 4: 60; 5: 160, 161, 164, 170, 176, 182, 183 fossils, 1: 40, 41, 45, 47, 68; 3: 390; 4: 380, 390 foxtail, 5: 170 Jack, 4: 60; 5: 161, 164, 174 knobcone, 5: 194 limber, 5: 176 loblolly, 5: 161, 188 lodgepole, 5: 176, 194 longleaf, 5: 161 morphology, 5: 375, 376, 378, 385, 386, 393 Norway, 5: 161, 164 oil, 2: 594 pinon, 4: 390; 5: 170 pollen, 2: 67, 73, 82; 5: 644, 646 ponderosa, 5: 186, 187 Scotch, 4: 60 seed, longevity of, 4: 256, 271 shortleaf, 5: 188 slash, 5: 161 sugar, 5: 160, 170, 176 toxin, 3: 199 western white, 5: 176

western yellow, 4: 60; 5: 160, 170, 176 white, 5: 161, 182, 183, 375, 376, 378, 385, 386, 393
white bark, 5: 170, 176
pineapple, 1: 4, 6, 407; 3: 157; 4: 16, 188, 523, 590, 604; 5: 241, 274, 277, 310–316 pinegrass, 5: 176 pink (see also carnation & Dianthus), 5: 195 Pinus attenuata, 4: 264, 390 Banksiana, 1: 198; 4: 264+ chihuahuana, 4: 264 contorta, 4: 264 Coulteri, 5: 193 cytology, 3: 5, 19, 344 disease, 1: 335; 4: 439 ecology, 3: 402; 5: 189 excelsa, 5: 400 fossils, 3: 42, 46; 4: 384; 5: 642 irradiation, 2: 8; 3: 264 montana, 5: 461 montezumae, 5: 196 morphology, 1: 192, 199; 5: 395, 400 muricata, 4: 390 murrayana, 4: 264 palustris, 4: 439 pinea, 4: 264 pollen, **5**: 642, 643, 645, 646 ponderosa, **5**: 183 pungens, 4: 264, 265 radiata, 4: 390 remorata, 4: 390 rigida, 1: 335 sap, 5: 535 seed, longevity of, 4: 247 serotina, 4: 264 Strobus, 5: 400, 420 sylvestris, 3: 402; 5: 400 taeda, 3: 264 Piper (see also pepper), 2: 83, 573, 574 Piperaceae, 2: 77, 78, 402 Piperales, 3: 421 piperidine, 3: 197 Piptocephalis, 1: 329; 4: 477, 478 Piricularia, 2: 249 Piro-cydonia, 3: 561 Pisonia, 3: 37, 39, 43, 44 Pistacia, 3: 35 Pistacia, 3: 35 Pistacia, 3: 35 Pistam (see also pea), 1: 104, 107, 239, 260; 2: 10, 19, 100, 136, 144, 145, 424; 3: 131; 4: 186; 5: 14, 21, 24, 138, 144, 145 pith-filaments, 5: 406

pits, 1: 57; 5: 396-398 pitting, 4: 431 Pityoxylon, 3: 42 placentation, 1: 82, 85; 5: 101, 114, 116, 121 plage criblé, 5: 396 Plagianthus, 3: 606 Plagiochasma, 5: 84, 94 Plagiochila, 5: 62, 68, 69, 72, 75, 82, Plagiochilaceae, 5: 71, 88, 89, 92 Plagiochilidium, 5: 92 plagiogeotropism, 3: 176, 187 Planera, 3: 44 plant disease survey, 3: 286 plant indicators, 5: 155 Plantaginaceae, 4: 256, 259; 5: 125 Plantago, 1: 239; 2: 132; 4: 28, 58, 59, 254, 256-258, 262, 264; 5: 121 plantain, 4: 256; 5: 176 plaque criblée, 5: 396 plasmatic inheritance, **4:** 113 plasmodesma, **4:** 102; **5:** 389, 396, 402 Plasmodiophora (see also club root), 2: 265; 4: 437 plasmolysis, **3:** 2; **4:** 96; **5:** 363 plasmon, **4:** 119 Plasmopara, 1: 499, 503; 2: 244, 249, plasmoptysis, 4: 96 plastachron, 5: 465 plaster mold, 4: 416 plastid, 5: 24, 81, 134, 355, 384 plastidome, 5: 135-137 Plataninum, 2: 403 Platanus, 1: 103; 3: 35, 44; 4: 387, plate meristem, 2: 364 Platoma, 1: 142 platre blanc, 4: 416 Platycerium, 3: 475, 477, 480, 488; 5: Platyspermaceae, 4: 210, 212 Platystemon, 1: 81, 84 Platystigma, 1: 81, 84, 85 Plectocolea, 5: 62, 75, 78, 83, 91 Plectranthus, 2: 352, 356, 357, 361 Pleiocene, 1: 184 Pleistocene, 1: 37, 184; 3: 2; 4: 371, 374, 389, 392; 5: 552, 627 Plenodomus, 5: 343, 344 pleomorphism, 4: 359 plerome, 2: 351; 5: 457 Plesiocoris, 5: 278, 279 Plethysmothalle, 2: 560 Pleurocladia, 5: 82, 90 pleuroplastic development, 2: 35 Pleurotus, 4: 404, 417; 5: 332, 340 Pleurosia, 5: 64, 92

Pleuroziaceae, 5: 87, 92 Pliocene, 2: 398, 399; 3: 32, 45; 4: 371, 388, 392 31, 386, 392 Plocoglottis, 4: 27, 35 Pluchea, 5: 163 plum, 1: 407: 2: 248, 254, 261, 586; 4: 17, 284, 431–433; 5: 155, 176 Plumbagella, 2: 577, 581 Plumbago, 2: 577 Poa (see also Kentucky blue grass), 2: 44, 181; 3: 438-440; 4: 34, 58, 73, 74, 255, 262; 5: 167, 172, 176, 192 Poacites, 3: 35 pocket disease, 1: 407 Podocarpaceae, 1: 195 Podocarpineae, 2: 72-75 Podocarpus, 2: 73, 83; 3: 344 Podochilinae, 4: 23 Podomitrium, 5: 73, 93 Podophyllum, 3: 242 Podosphaera, 3: 560, 561 Podostemon, 2: 577 Podostemonaceae, 2: 570, 581 Poeciloscytus, 5: 281 Poinsettia, 2: 9, 51, 135 Poisson distribution, 2: 227, 228 poke, 4: 256 pokkah boeing disease, 4: 185 polar molecule, 4: 536 polarity, 1: 29; 2: 49, 424, 429; 3: 184; 5: 133, 149, 150 polarization, 1: 28 polarized growth, 2: 365 polarized light, 1: 58, 61 Polemoniaceae, 4: 42; 5: 105, 106 pollen, 1: 37, 45; 2: 67, 399, 407, 411; 3: 355, 356, 360; 4: 24, 25, 43, 276, 447, 593; **5**: 120, 199 pollen analysis, 5: 627 polonium, 5: 16 Polybotrya, 3: 470 Polycarpicae, 2: 401; 5: 127 Polygala, 4: 39; 5: 189 Polygalaceae, 4: 38 rotygalaceae, 4: 38
polygalacturonic acid, 2: 480, 487
Polygonaceae, 4: 255; 5: 102
Polygonum (see also knotweed), 2: 130; 3: 437; 4: 22, 245, 254, 256, 257, 259, 262, 264; 5: 193
Polykrikos, 2: 91 Polymnia, 4: 16 polymorphism, 3: 406 polypeptides, 3: 87, 88 polypetaly, 5: 99 polyphyly, 3: 409 polyploidy, 1: 114, 270, 272, 475; 2: 197, 343; 3: 415–417, 598; 4: 117, 336, 341, 343

Polypodiaceae, 3: 35, 37, 460, 474, 476, 478; 5: 436, 437 potassium chlorate, 4: 591 potassium chloride, 2: 285, 290, 294, Polypodium, 3: 468, 470, 477, 480; 5: 297, 298; 4: 124 438, 446 potassium guaiacolate, 2: 285 Polyporus, 4: 485; 5: 339 potassium hydroxide, 2: 288, 290, polyrheitry, 3: 409 297; 5: 631 polysaccharides, 4: 140 Polysiphonia, 5: 364 potassium iodide, 4: 431; 5: 387 potassium nitrate, 2: 516; 3: 3 polysomics, 5: 146 Polysphondylium, 2: 144 Polyspora, 2: 506 potassium permanganate, 2: 592; 4: 584, 587 potassium phosphate, 4: 141; 5: 335 potassium silicate, 2: 270 Polystichineae, 2: 559, 560 Polystichum, 1: 237; 3: 470-472, 490; potassium tellurite, 2: 393 **5**: 438 Polystigma, 3: 355 Polytoma, 2: 87, 89, 91; 4: 133 potato disease, 1: 1–11, 405–409, 418, 503–506; 2: 188, 238, 253–259, 270, 511, 590; 3: 288, 507; 4: 166, 172, 185, 191, 192, 195, 435, 437, 549, 550, 553, 555, 556, 557, 561, 565; 5: 245–246, 255, 258, 267, 274, 282, 298–300, 302, 308–310 domestication, 4: 11, 16 cvtology. 4: 409 Polytrichaceae, 1: 270 Polytrichum, 5: 54, 379, 407 pomegranate, 4: 17 pomelo, 4: 17 Pomoideae, 1: 113; 3: 343, 348; 5: Pontania, 5: 290 cytology, 4: 499 hybrid, 3: 557 Pontederia (see also pickerel weed), 3: 360; 4: 245 irradiation, 2: 9, 37 morphology, 5: 378, 385 nutrition, 3: 92, 158; 4: 185, 189, Pontederiaceae, 4: 35 poplar (see also aspen and *Populus*), 1: 405; 2: 441; 4: 241; 5: 647 Populophyllum, 2: 402 192, 195 respiration, 1: 252, 255 Populus (see also aspen and poplar), 1: 88; 2: 402; 3: 35; 4: 375, 384, 387, 388, 591; 5: 98, 635, 644, 645, root secretion, 3: 196, 197 selenium, 2: 389 spray, 2: 590 Potentilla, 1: 338, 345, 354; 4: 256 Potoniea, 2: 406, 407 646 porcupine grass, 5: 172, 180 Porella, 5: 63, 65, 68, 73, 81, 92 Porellaceae, 5: 87-89, 92 poured plate, 4: 629+ Porphyridium, 4: 667, 668 Portulaca, 1: 235, 239; 4: 256-258, prairie, 2: 221; 5: 161 Prasanthus, 5: 91 preferential pairing, 2: 201, 202

Preissia, 1: 274; 2: 107, 108; 5: 50, 53, 56, 57, 94

presence, 4: 52 Portulacaceae, 4: 256, 259 position effect, 5: 33 Post, von, hypothesis, 1: 44; 5: 639, pre-treatment, 3: 254 primary wall, 1: 55, 56; 2: 484 Postelsia, 1:71 postglacial vegetation, 1: 37; 5: 639 Potamogeton, 1: 359; 2: 132, 133; 3: 35; 4: 243, 245, 270; 5: 127 prime, 4: 17 primrose, 5: 170, 172, 195

Primula, 1: 101, 104; 2: 201, 202; 3: 245, 339, 347, 355, 624; 4: 603; 5: 114, 121 Potamogetonaceae, 2: 351 Potamogetonineae, 5: 127 Potamolejeunea, 5: 92 potash, 4: 30; 5: 188, 286, 287 potassium, 2: 284-306; 3: 47, 58, 62, Primulaceae, 1: 85; 5: 101, 121, 126, 127 Prionolejeunea, 5: 93 560; 4: 141, 192-197, 405, 411, 426, 589; 5: 207, 208, 211, 221, 286, 328, 335, 337, 342, 343, 493, 497, 535, 536, 541 Prionolobus, 5: 91 procambium, 2: 353 procarp, 1: 141, 142 prodesmogen, 2: 354, 355 potassium acetate, 2: 303 progynon, 3: 631, 632; 4: 603 potassium acid phosphate, 5: 209, 211, prohibition, 2: 256 proliferation, 1: 269+; 2: 420, 422; 3: potassium bicarbonate, 2: 288, 299 457, 478, 481 proline, 3: 622

propectin, 2: 475, 479, 480, 483, 484propectinase, 2: 487–489 prophase, 2: 341, 342, 531, 547; 5: 146, 147 propionic acid, 3: 623; 4: 169 proplastids, 5: 137 Prosopis (see also mesquite), 3: 355; 5: 163 prosoplasia, 5: 290 Proteaceae, 2: 401 Proteachyllum, 2: 402, 403 protein, 2: 384; 3: 86–98; 4: 405, 408, 591; 5: 133, 135, 179 Proteoides, 3: 35 proteolysis, 3: 89, 94+ Protecygny, 4: 587
Proteus, 4: 88, 97, 98, 100
Protoarticulatae, 3: 582, 583
protocatechuic acid, 2: 257; 5: 329
Protocephalozia, 5: 91 Protocephaloziella, 5: 91 protochlorophyll, 2: 8; 3: 354 Protoclepsydropsis, 1: 437 Protoflorideae, 4: 666, 667, 670 Protolepidodendron, 1: 388, 391, 442; 3: 573, 575 protonema, 1: 269, 271; 2: 56, 63; 4: 447, 448 protophloem, 5: 416 Protophytes, 4: 670 protoplasm, 1: 18; 2: 292; 5: 133, 148 protoplasmic movement, 2: 21 protoplasmic surface, 2: 304 Protopteridium, 1: 393-400; 3: 577, 578 Protosiphon, 4: 133 protosius, 5: 331 Prototaxites, 3: 564 Protozoa, 2: 439 proveniences, 3: 402 provitamin, 3: 625 prune-pure, **5**: 352, 353, 357, 361 Prunoideae, **5**: 124 Prunoides, 3: 42 Prunus, 1: 98, 103, 109, 346; 3: 35; 4: 388; 5: 421 Psalliota, 4: 397 Psallus, 5: 280, 281 Pseudanthus, 4: 252 pseudoapocarpy, 5: 124 Pseudobalsamia, 4: 404, 416 Pseudobornia, 1: 443; 3: 564, 582 Pseudochantransia, 4: 666 pseudochondriome, 2: 89 pseudochondriosome, 5: 137 pseudocleistogamy, 4: 29 Pseudococcus, 1: 454; 5: 277, 278, 287, 311, 316

pseudocoenocarpy, 5: 125 Pseudo-fertility, 4: 281, 283, 295, 304

Pseudolarix, 1: 199; 2: 73, 83; 3: 344

Pseudomonas, 1: 405-417; 4: 166
pseudomonomery, 5: 125, 126

Pseudospersons Pseudosporochnus, 1: 385, 442; 3: 568 pseudostyle, 5: 120, 121 Pseudotsuga (see also Douglas fir), 2:73, 83; 3: 344; 4: 382, 387, 390 Psiloclada, 5: 91 Psilocybe, 4: 437 Psilophytaceae, 4: 230 Psilophytaceae, 4: 230
Psilophytales, 1: 88, 383; 3: 564 +
Psilophyton, 1: 388-391, 395, 428,
444; 3: 563, 566, 569, 570, 572, 575
Psilotales, 3: 572
Psilotum, 1: 197, 444
Psoralea, 4: 71, 22 Psygmophyllum, 1: 393 Psylla, **5**: 298 psyllid yellows, 5: 274, 308-310 psyllids, 5: 298 Pteridium, 2: 106; 3: 472, 477, 481, 484; 5: 189 Pteridophyta, 1: 383, 388; 4: 446 pteridophytes, 1: 184, 186; 2: 53, 54; 3: 457; 5: 49, 433 Pteridospermae, 4: 206, 207, 211, 213, 216, 227, 229, 230 pteridosperms, 2: 406, 407; 3: 577; 4: Pteris, 1: 336; 2: 232; 3: 35, 468, 472, 477, 478, 480, 481, 492; 5: 17, 24, 183, 434-442 Pteropsiella, 5: 53, 56, 91 Pteruchus, 1: 89; 2: 407-409 Ptilidiaceae, 5: 87-90 Ptilidium, 5: 55, 56, 60, 90 Ptilophyton, 1: 396 Ptychanthus, 5: 92 Ptychocoleus, 5: 92 Ptychodesaft, 5: 375 Ptychodeschlauch, 5: 375 Ptychodeschauch, 3: 575
puberullic acid, 4: 155
Puccinellia, 3: 596; 4: 56, 75
Puccinia, 1: 119–122, 126–131, 335, 343, 344, 347, 348, 457, 500, 503, 505, 507; 2: 105, 248, 249, 255, 264, 265, 267–270; 3: 293; 4: 167 Pulmonaria, 3: 14 Pulsatilla, 3: 595 Pultenaea, 4: 252 pumpkin, 4: 11, 16, 268 Punctariales, 2: 560 pure culture, 4: 400, 627 purification of nutrient solution, 5: 212 Purpurella, 4: 31

Purshia, 5: 183
purslane, 4: 256
Pycnolejuenea, 5: 93
pycnosis, 5: 2, 24, 25
pyinkado, 5: 188
pyocyanase, 4: 488
pyrenoid, 2: 53, 86, 462; 4: 517
Pyrethrum, 2: 566, 571
pyred, 5: 211
pyridine, 3: 197
pyrimidine, 5: 340
Pyrola, 1: 339-341, 345, 354
Pyronema, 5: 343
pyronema, 5: 343
pyronia, 3: 22
Pyrus (see also pear) 1: 108
pyruvic acid, 4: 416; 5: 339
Pythiomorpha, 5: 339
Pythium, 1: 336; 2: 253, 254, 516, 518; 4: 166, 167, 479; 5: 332, 339

0

quadrat, 1: 211; 2: 221+; 4: 63 quadruplex, 2: 197, 199 qualitative characteristics, 4: 52, 57 Quamoclit, 4: 253 quantitative characters, 4: 52, 61 quantum hit theory, 5: 11 quantum theory, 2: 4 Quarternary, 1: 184; 4: 371, 374; 5: 627 quartz, 5: 211 quasi-organism, 1: 215, 217, 219 quebrachitole, 3: 524 Quercus (see also oak), 3: 44, 46, 264, 342, 597, 603; 4: 376, 377, 382, 645, 646 Quesuelia, 4: 31 quince, 4: 17; 5: 103 quinic acid, 5: 218, 219, 329 quinoa, 4: 16 quinoline, 2: 292

R

raan, 4: 185
Racodium, 5: 225
radial lines, 1: 57
radiation, 5: 1
radioactive substances, 5: 2
Radiospermeae, 4: 210
radish (see also Raphanus), 2: 27, 45, 179; 3: 269; 4: 17, 268
radium, 5: 2, 4
radon, 5: 16
Radula, 5: 55, 56, 63, 64, 68, 71, 75, 81, 92
Radulaceae, 5: 87–89, 92
raffinose, 5: 329
Rafflesiaceae, 5: 126

ragi, 4: 17 ragweed (see also Ambrosia), 4: 256 rain forest, 5: 546 rambutan, 4: 17 rambutan, 4: 17
ramie fibre, 1: 66
Ranales, 2: 75; 5: 98-100, 127
Ranunculaceae, 1: 81, 84; 5: 100, 101,
108, 116, 117, 126, 127, 409
Ranunculus, 1: 89; 2: 21, 368; 3:
362; 4: 22, 243, 586, 592; 5: 106,
108, 117, 174
rape, 2: 179; 4: 17, 268
Rabbanus (see also radish) 1: 168. Raphanus (see also radish), 1: 168; 2: 19, 48, 100, 105, 111, 126, 135, 201; 3: 358; 5: 656, 664, 665, 666, 667, 672 raspberry (see also *Rubus*), 1: 1, 4, 5, 8; 2: 445; 4: 432, 558, 569; 5: 267, 297, 474, 479 Raton flora, 4: 384 reaction chain, 3: 175, 177, 183 Reboulia, 2: 106; 5: 84-86, 94 Rebouliaceae, 5: 88, 94 Recent epoch, 1: 184; 3: 32; 4: 371, 374, 389 receptacle, 5: 102, 103 reciprocal translocation, 2: 330 reclamation disease, 2: 180 Rectolejeunea, 5: 93 redberry disease, 5: 297 red bodies, 5: 137 red bug, 5: 279 red cedar (see also Juniperus), 4: 60 red gum, 5: 161 redox indicators, 4: 585 red ribbons, 5: 195 red suture, 4: 436 red top (see also Agrostis), 5: 163, reduction-oxidation potential, 2: 38 redwood (see also *Sequoia*), 4: 374, 387, 391, 392; 5: 160, 170, 176 refraction indices, 1: 53, 61, regeneration, 1: 271; 3: 457; 4: 548 regenerative bodies, 4: 106 Reismengengesetz, 5: 660 rejuvenation, 2: 143 Reseda, 5: 124 Resedaceae, 5: 122, 124, 126 reserve material, 4: 93 resorcinol, 2: 594 respiration, 1: 249; 3: 370; 4: 587; 5: 363 respiratory quotient, 1: 259 restio tectorum, 3: 357 Reticularia, 5: 643 reticulum, 1: 24; 2: 535; 5: 114 retting, 2: 486, 490 reversion disease, 5: 298

Reynosia, 3: 37 Rhabdocarpus, 4: 208, 212, 219, 222, 223 Rhabdonia, 1: 142 Rhacophytum, 3: 576 Rhaetic, 2: 404 Rhamnaceae, 2: 581; 3: 35, 37, 38 Rhamnales, 2: 401 Rhamnus (see also buckthorn), 3: 35, 44; 5: 421 Rheum (see also rhubarb), 1: 416; 3: 129 rhizobia-bacteriophage, 3: 517 Rhizobium, 3: 217, 365, 366, 370, 375, 376, 378, 501, 504, 513, 518, 624; 4: Rhisoctonia, 1: 336; 2: 255, 265, 516, 518; 3: 288, 623; 4: 166, 168, 171, 478, 479, 488 rhizoides, 2: 58; 4: 447, 448 rhizomorphs, 4: 398 Rhizophora, 2: 402; 3: 39 rhizopin, 1: 167 Rhizopus, 2: 181, 252, 503, 505; 3: 634; 4: 93, 145-147, 154, 168, 478, 484, 486, 678; 5: 208, 214, 218, 220, 225, 226, 228, 332, 338 rhodamine, 3: 22; 4: 511; 5: 352, 335, 356, 359, 363 rhodium, 5: 211 Rhodochorton, 4: 667, 672 Rhododendron, 1: 103; 4: 379, 594; 5: 276, 462 Rhodomelaceae, 1: 144 Rhodophyceae, 1: 138; 4: 132, 665; 5: 435 Rhodospora, 4: 667, 668 Rhodymenia, 1: 144 Rhodymeniales, 1: 138, 141, 142, 144 Rhoeadales, 1: 83, 84 Rhoeo, 1: 107; 2: 538, 542; 3: 242; 5: 21, 534 rhubarb (see also Rheum), 2: 494 Rhus (see also sumac), 2: 134, 402; 3: 44, 45 Rhynia, 1: 384, 387, 388, 390–392, 429, 436; 3: 565–569, 584–586 Rhyniaceae, 1: 383; 3: 584; 4: 230 Ribes (see also current), 1: 103, 104 riboflavin acid, 5: 339 Riccardia, 1: 275; 3: 482; 5: 73, 74, 79, 83, 84, 93 Riccardiaceae, 5: 93
Riccia, 1: 273, 275; 2: 54-58; 3: 360;
5: 49, 53, 73, 85, 86 Ricciaceae, 2: 54, 58, 59; 5: 52, 84-89, Ricciineae. 5: 88 Ricciocarpus, 3: 627; 5: 94

rice (see also Oryza), 1: 2, 4, 5, 407; 2: 249, 506; 3: 214; 4: 11, 17, 34, 270, 492; 5: 241 Ricinus (see also castor bean), 1: 260, 262, 407; 2: 409, 490, 506; 3: 12 Riella, 5: 81, 94 Riellaceae, 5: 87, 89, 94 ring spot, 1: 12; 4: 562 ringing, 5: 472, 473 rings, tree, 5: 198 ripening of fruit, 2: 484, 489 Rivina, 1: 335 Robinia (see also black locust), 3: 264; **4**: 25, 27, 38, 256, 259, 270; **5**: 377, 398, 421 Roentgen unit, 5:8 Rogersia, 2: 402 Romneya, 1: 84 rooting cuttings, 2: 48 roots, 2: 263, 423, 432, 484, 507; 3: 195, 288; 5: 556, 672 Rosa, 3: 348, 596; 5: 103 Rosaceae, 1: 81, 86, 113; 4: 256; 5: 100, 103, 116, 644 Rosales, 5: 10, 105, 127 rosanaline, 4: 585 rose, 1: 417; 2: 67, 441; 5: 195 rose-bengal, 3: 75, 76 rose-comb, 4: 415 rosette, 1: 5; 2: 593; 4: 194, 195, 198, 436 rot, 1: 480; 3: 288 Rotodontiospermum, 4: 212, 223 R.Q., 1: 259 rubber (see also Hevea), 3: 211; 5: 283 Rubiaceae, 2: 403; 4: 43, 242 rubidium, 2: 187, 292, 303; 5: 211 Rubioides, 3: 42 rubroglaucin, 4: 145 Rubus (see also blackberry & raspberry), 1: 109, 333; 2: 204; 3: 604; 5: 377 Rudbeckia, 2: 135, 580; 4: 256 Ruellia, 4: 21, 43 Rumex (see also dock), 1: 416; 3: 610; 4: 256-259; 5: 189 Ruppia, 4: 390 rush, 5: 176 Russula, 3: 522 rust, 1: 119, 123, 129–131, 327, 500, 502, 505, 506; 2: 241, 255, 265, 267, 268, 271, 516; 3: 288; 4: 193, 434 rutabaga, 2: 389, 488; 3: 196; 4: 17, 268 Rutaceae, 3: 35, 37, 38 Rutaecarpus, 2: 402

Ruthenium red, 1: 59, 70; 2: 402, 483; 5: 390
rye (see also Secale), 1: 467+; 2: 188, 269, 392, 504; 3: 104, 196; 4: 14, 55, 256, 267, 594; 5: 162, 418

Sabal, 4: 242 Sabalites, 3: 43, 44 Sabia, 2: 402 Sabulia, 2: 403 sacahuista, 5: 171 saccharic acid, 5: 329 Saccharomyces, 2: 40; 3: 5; 4: 155, 506; 5: 355, 360 Saccharum (see also sugar cane), 5: Saccobasis, 5: 91 Saccogyna, 5: 91 safranin, 3: 78; 4: 94, 593; 5: 634, sage, 5: 172, 174, 191 sagebrush, 4: 56; 5: 162, 175, 176 Sagenopteris, 1:88 Sagina, 4: 66 Sagittaria, 2: 132; 4: 243, 245 Sagittaria, 2: 132; 4: 243, 24 sal, 5: 184, 194 Salicaceae, 2: 77; 5: 98 Salicinum, 2: 403 Salicornia, 5: 165 salicylaldehyde, 2: 594 salicylanilide, 2: 594 salicylic acid, 4: 155; 5: 330 saligenin, 2: 594 salivary glande, 2: 521 Salivary glands, 2: 531

Salix (see also willow), 1: 103, 112, 408, 416; 2: 26, 402; 3: 44, 187, 410, 417–419, 434, 436, 595, 598, 606, 607; 4: 239, 375, 384, 388, 598; 5: 98, 104, 120, 167, 290, 421, 424, 635, 431, 645, 646 56, 104, 120, 167, 290, 421, 424, 635, 641, 645, 646
salsify (see also *Tragopogon*), 4: 17
Salsola, 4: 59; 5: 191
saltbush, 4: 390; 5: 163, 170, 180, 190; 2: 393 saltgrass, 5: 163, 165, 176, 190 salts, 2: 290; 3: 307 Salts, 2: 290; 3: 307 saltwort, 5: 165 Salvia, 2: 11, 27, 135, 139; 3: 160, 269, 359; 4: 27, 42; 5: 390 Salvinia, 3: 44; 4: 42 Samoropsis, 4: 212, 226 Sambucus (see also elder), 1: 335, 342; 2: 358; 3: 554, 555; 4: 212, 213, 226 sample area, 4: 63 sandal, 1: 10: 5: 538 sandbur, 5: 170 sand-drown, 4: 188, 196

sandpaper plant, 5: 195 Sanguinaria, 1: 83 Santalaceae, 1: 82; 5: 127 Sapindaceae, 3: 35, 37, 38 Sapindales, 2: 401 Sapindoides, 3: 42 Sapinaonaes, 3: 42
Sapinaonaes, 2: 402
Sapindopsis, 2: 402
Sapindus, 3: 35, 37, 39
Sapodilla (see also Achras), 4: 16
Sapotaceae, 3: 35, 38
Sapotacites, 3: 44 sapote, 4: 16 Saprolegnia, 3: 5; 4: 448, 477, 633; 5: 21, 24, 328, 332, 335, 340, 343, 355, 360, 363 Saprolegniaceae, 5: 332 saprophytes, 4: 479; 5: 553 Sarcinia, 4: 87 Sarcobatus, 5: 162, 165 Sarcospernum, 4: 212, 223 Sarracenia, 5: 116, 121 Sassafras, 2: 402; 4: 388 satellite, 2: 532 Sauchia, 5: 94 Sanobraft 4: 538 Saugkraft, 4: 538 Saururaceae, 2: 77, 78, 402 Sauteria, **5:** 86, 94 Sauteriaceae, 5: 88, 94 Saxegothaea, 1: 197, 199; 2: 73 Saxifraga, 1: 112; 3: 12 scab, 2: 503, 504, 588, 589, 593; 5: 283 Scabiosa, 3: 269, 272 Scaevola, 5: 121 scales, coralline, 5: 103, 105 Scandinavia, 3: 425 scandium, 5: 337 Scapania, 5: 60, 63, 65, 68, 69, 75, 81, Scapaniaceae, 5: 71, 87-89, 92 Scapaniella, 5: 92 scarlet runner, 4: 16 Scenedesmus, 2: 102 Scheuchzeria, 5: 127 Scheutzia, 2: 406 Schiffneria, 5: 53, 68, 91 Schiffneria, 5: 53, 08, 91
Schiffneriolejeunea, 5: 92
Schistochila, 5: 63, 76, 77, 82, 84, 92
Schistochilaceae, 5: 87, 89, 92
Schistostega, 2: 21, 107
Schisaea, 5: 190 Schizaeaceae, 3: 473, 478, 480; 5: 437, 438 507, 430 Schisandra, 2: 79, 80, 84 Schizandraceae, 2: 77; 3: 343 Schizandreae, 2: 77, 79 Schisophyllum, 5: 339 Schisopodium, 3: 565, 581 Schisopalla 5: 450 Schlusszelle, 5: 459

Schomburgkia, 4: 35 Schweizer's reagent, 2: 484 Sciadophyton, 3: 566, 568 Sciadopitys, 1: 199; 3: 344 Scilla, 2: 542, 566, 569 Scinaia, 1: 139 Scirpus, 3: 343, 596; 4: 245 Scitaminaceae, 1: 91 sclerophyll, 5: 557 Scleropoa, 4: 33 Scleropogon, 4: 66 Sclerospora, 1: 331, 343 sclerotia, 4: 397 Sclerotinia, 1: 327; 2: 109, 236–239, 254, 489, 588; 3: 295, 621; 4: 145, 478, 479, 634, 645, 657; 5: 339
Sclerotites, 3: 42 Sclerotium, 2: 250; 4: 168, 489; 5: 339 Scolecosoma, 4: 571 Scolopendrium, 3: 466, 470, 477, 486; 4: 448; 5: 436, 438, 441, 442, 446, 447 Scolytus, 1: 451 Scopulariopsis, 4: 156 Scorpiurus, 5: 112 Scrophularia, 2: 353; 3: 553; 5: 195 Scrophulariaceae, 4: 42, 256, 259 sea urchin, 5: 138 Secale (see also rye), 1: 468, 475, 486; 2: 541; 4: 349 Secalotricum, 1: 472, 481 second contraction, 2: 341 secondary pairing of chromosomes, 1: 113 secondary thickening, 1: 61, 68 secondary wall, 1: 55, 56 sedge, 4: 55, 56; 5: 176 Scdum, 1: 260 seed, 2: 413, 498; 4: 205, 235, 433; 5: 14, 505 seedling blight, 1: 507; 2: 504-506 Seed-O-San, 2: 514 seep-weed, 5: 163 segmental deficiency, 1: 101, 107 segmental interchange, 1: 101, 106, 107; 2: 230, 330 segregation, 2: 198; 3: 603 Selaginella, 1: 186, 391, 392; 3: 362; **4:** 501, 517; **5:** 434, 436, 447, 449 Selaginellaceae, 5: 436 selection, gametophytic, 4: 276 selenium, 2: 187, 373, 592; 5: 188 self pollination, see incompatibility Semesan, 2: 449, 508, 514, 515 Sempervivum, 2: 26, 127 Septoria, 3: 560; 4: 436, 439; 5: 345 Sequoia (see also redwood), 1: 196;

2: 73, 83; 3: 344; 4: 374, 377, 379, 384, 387, 388 seral units, 3: 451 sereh disease, 4: 435 Serenoa, **5:** 191 serology, 1: 409, 410 serviceberry (see also Amelanchier), 5: 176 sesame, 3: 196, 197 sesamum, 3: 263; 4: 17 Sesbania, 4: 253 seta, 2: 59, 61 Sewardiella, 5: 93 sex, 1: 273-279; 2: 140; 4: 581 -SH, 2: 426 shade, 4: 23, 24 shadscale, 5: 162 shallot, 4: 17 shepherd's purse (see also Capsella), 1:81 shii-take, 4: 418 Shizopodium, 1: 445 shoot-withering, 1: 407 Shorea, 5: 184, 187, 194 short-grass land, 5: 156, 161, 162, 172 Sida, 4: 252, 253; 5: 190, 376 Siebfaser, 5: 404 Siebparenchym, 5: 408 Siebtheil, **5**: 374 Siebtüpfel, **5**: 395, 396 sieve cell, 5: 404 sieve fibre, 5: 404 sieve field, 5: 394-396 sieve hyphae, 5: 406 sieve pit, 5: 395, 396, 415 sieve pit, 5: 393, 396, 415 sieve plate, 5: 379, 381, 386–399 sieve tube, 4: 564+; 5: 373–432 Sigillaria, 1: 391, 392; 4: 209 Silene, 3: 597, 606; 4: 58; 5: 195 Silenoideae, 1:85 silicon, 5: 211, 221 Silurian, 2: 405; 3: 564; 4: 231; 5: 110 silver, **5:** 211, 231 silver impregnation, 2: 88-92 silver leaf, 2: 255; 4: 167 silver nitrate reduction, 4: 522 Simodon, 5: 93 Simplex, 2: 197 Sinapis, 2: 36, 39, 105; 3: 356; 4: 254; 5: 672, 673 single cell isolation, 4: 627 single spore culture, 4: 400 Siparuna, 4: 382 Siphonales, 4: 134, 137 Siphonocladiales, 4: 134 Sirodotia, 4: 667, 668 Sium, 4: 264

sooty mold, 2: 241

slime bodies, 4: 570-572; 5: 384 slime clumps, 5: 384 slime drops, 5: 381, 383 slime layer, 4: 95, 96, 104 slime mold, 2: 439 slime papillae, 5: 55, 57 slime plug, 5: 379 slime string, 5: 395 Smilax, 3: 35; 5: 126 smokebush, 5: 176 smooth brome grass, 5: 163 smooth prome grass, 3: 103 smudge disease, 2: 256 smut, 1: 120, 123-125, 128, 129, 449; 2: 498-512, 519, 520; 3: 288; 4: 433 snakeweed, 5: 173 snapdragon (see also Antirrhinum), 5: 195 snowberry (s pos), 5: 176 (see also Symphoricarsnow mold, 2: 504 soap plant, 5: 176, 195 sociability, 4: 52, 53, 61 sociation, 1: 212-214; 3: 442, 444, 449, 451 socies, 3: 451 society, 1: 210, 212; 3: 448, 449 sociological classification, 4: 51 sociology, 1: 210; 3: 444 sodium, 2: 288-306; 4: 405; 5: 211, 343 sodium borate, 2: 518 sodium carbonate, 2: 592 sodium chlorate, 4: 411; 5: 633 sodium chloride, 2: 291-294; 4: 87 sodium molybdate, 2: 393; 5: 211 sodium nitrate, 2: 516, 518 sodium ricinoleate, 4: 85 sodium selenate, 2: 376, 384, 385, 392 sodium selenite, 2: 379 sodium tetraborate, 2: 516 soft decay, 4: 415 soft scald, 4: 431, 433 soggy breakdown, 4: 433 soil, 3: 196, 219, 379; 5: 189 Soja (see also soybean), 2: 10, 11, 36, 39; 3: 268 Solanaceae, 3: 342; 4: 252, 253, 256, 570-572; 5: 384 solanin, 2: 256 Solanum, 1: 112; 2: 124, 351, 356; 3: 160, 262, 547, 550, 556, 559, 560; 4: 256; 5: 542 Solenopsis, 5: 312 Solidago, 5: 189, 195 Solieria, 1: 143 solute pressure theory, 4: 534 solutes, 3: 47 solvent pressure theory, 4: 534 somatogenesis, 2: 568, 570

Sophora, 3: 37; 4: 72 sorbitol, 5: 329, 340 sorbose, 5: 329, 333 Sorbus, 1: 104; 3: 558; 5: 421 Sordaria, 4: 165 Sorghastrum, 2: 209 Sorghum, 1: 101; 2: 203-215; 3: 198; 4: 11, 17, 34, 267; 5: 161, 191 Sorgo, 2: 505 Sorosporium, 1: 124; 2: 505 sorrel, 4: 523 souring, 1: 449 soursop (see also Anona), 4: 16 Southbya, 5: 91 soybean (see also Soja), 2: 178, 182; 3: 112, 159, 160, 273, 370, 374, 375, 387; 4: 17, 192–195, 247, 590 soziation, 2: 223 space, 4: 52 Spanioza, **5:** 298 Sparganiaceae, 2: 76; 5: 126 Sparganium, 2: 402; 3: 35; 4: 243, 245, 264 Spartina, 1: 112; 2: 201; 3: 340, 598, 599; 4: 55 Spathularia, 3: 355 spawn, 4: 401 species concept, 3: 400-413 formation, 1: 114; 3: 413-420, 439 hybrids, 3: 593 spectrum, normal, 5: 549 Specularia, 4: 23, 29, 32, 43, 58 speltoid, 1: 487 spelts, 1: 468, 469 Spergularia, 4: 27 Spermatochnaceae, 2: 560 Spermolithus, 4: 232 Spermothamnion, 1: 141, 146, 147; 2: 557 Sphacelaria, 2: 559; 4: 447 Sphacelariales, 2: 559 Sphacelotheca, 1: 124; 2: 505 Sphaeralcea, 3: 342; 4: 253 Sphaeriales, 4: 149 Sphaerocarpaceae, 5: 87, 89, 94 Sphaerocarpales, 2: 53, 56, 59, 64; 5: 85-88, 94 Sphaerocarpus, 1: 272-274, 276, 278, 281-286; 2: 54, 56, 57, 63, 64, 208; 5: 10, 21, 50, 81, 86-88 Sphaerographium, 5: 344 Sphaerolejeunea, 5: 92 Sphaeronema, **5:** 328, 344 Sphaeropsidales, 5: 344 Sphaeropsis, 3: 345 Sphaerostoma, 4: 217, 227 Sphaerotheca, 2: 592, 594

Sphaerulina, 5: 339 Sphagnales, 5: 71 Sphagnum, 1: 270; 5: 58, 635 Sphenolobus, 5: 63, 91 Sphenophyllum, 1: 442, 443; 3: 582, Sphenopteris, 2: 410; 4: 207, 208, 217, 218, 224, 230 spiculisporic acid, 4: 155 Spierer lens, 1: 21-23, 28, 29, 59, 60, spike disease, 1: 10 spinach, 2: 41, 43, 392, 511, 516; 3: 269, 270; 4: 17, 587, 591 Spinacia, 4: 589 spindles, 2: 448-450, 530, 535, 539; 4: 461; 5: 146, 147 Spiraca, 1: 417 Spiracia, 1: 417 spiralization, 2: 542 spireme, 2: 341, 342 Spirillum, 4: 87, 100, 105 Spirogyra, 1: 23, 71, 154, 271; 2: 20, 41; 3: 7, 10, 353; 4: 133, 447, 498, 515; 5: 140, 143, 148, 353, 359, 564 Splachnum, 1: 270, 275, 276 spongioplasm, 1: 23; 5: 140 Spongospora, 2: 254 Sporobolus, 4: 33, 55, 74, 255; 5: 165 Sporocarpon, 3: 585 Sporochnus, 2: 560 Sporochnus, 2: 560 sporogenesis, 2: 567 sporogenites, 3: 586, 587 sporophyll, 2: 398; 3: 420; 5: 111 sporophyte, 1: 383, 427; 2: 53, 556+; 3: 457; 5: 49, 80 sporophytic determination, 4: 286 sporotin, 4: 104 spot, bacterial, 2: 505, 593; 4: 193, 415 spot blotch, 2: 504 spotted wilt, 1: 4, 6; 4: 555 sprays, 2: 586, 593 spray warning, 1: 504-506 spruce (see also *Picea*), 1: 38, 41, 47; 4: 390; 5: 641, 646 spruce-fir land, 5: 160 Spruceanthus, 5: 92 Sprucella, 5: 91 spur blight, 2: 241 squamellae, 5: 105 squash (see also Curcurbita), 2: 424; 3: 196; 4: 11, 16; 5: 488, 490 Stachys, 4: 250-254 Stagonospora, 5: 344 staining, 3: 72, 241; 4: 107, 108; 5: 351, 634 stale culture, 4: 174 staling, 4: 167-174, 485-487

stalk rot, 2: 507 staminal hairs, 4: 446, 448, 452 staminodia, 5: 103 stands, 4: 54. Stangeria, 3: 344 Stanleya, 2: 387 Staphidoides, 3: 42 Staphylococcus, 4: 85, 88 star apple, 4: 16 star, bacterial, 1: 414 starch, 2: 478, 479, 483; 3: 89, 159; 4: 187, 404, 405, 407, 508, 516, 517, 518; 5: 132-138, 384, 385 Statice, 2: 575 Statulith theory, 5: 135
Stauropteris, 1: 429-431, 437
Steganosporium, 5: 344
Stellaria, 2: 127, 423; 3: 416; 4: 30, 254, 601 stem break, 2: 506 stem rust, 3: 288 Stemophylium, 4: 169 Stenandrium, 4: 22 Stenochlaena, 3: 472 Stenogramma, 1: 143 Stenomyelon, 1: 399 Stephaniella, 5: 91 Stephanospermum, 2: 72, 82; 4: 212-223, 228 Stephanosphaera, 4: 133 Stephensoniella, 5: 94 Sterculia, 3: 35, 37 Sterculiaceae, 2: 402; 3: 35 Stereum, 2: 248, 261 sterides, 5: 359 Sterigmatocystis, 1: 254; 4: 156; 5: 215 sterility, 1: 100, 101, 104, 105; 4: 275. 594 sterocide, 2: 508, 514 sterol, 4: 140, 151 Sterrocladia, 4: 667, 669 Sterrocolax, 1: 146 Stewart's disease, 1: 500 stichidia, 3: 589 Stichococcus, 2: 103 Stictolejeunea, **5**: 69, 92 Stigeoclonium, **4**: 137 stigmas, 1: 81-84; 5: 118-121 stigmatic heads, 5: 120 Stigmophyton, 3: 586 stimulating substances, 4: 486, 488, stimulus, 3: 175–192 Stipa, 4: 56, 72–74; 5: 172, 176, 178 stipules, 5: 105 Stizolobium, 1: 407 stock, 1: 80, 81 stomata, 2: 58

storage diseases, 4: 320 stratification, 4: 52 strawberry (see also *Fragaria*), 1: 250, 253, 258; 2: 494; 4: 432, 434, 589, 677, 678; 5: 288 streak disease, 1: 3-11; 2: 505; 4: 189, 549, 550, 556, 561+; **5**: 241, 243, 261, 263 Strelitzia, 3: 356, 359 Strepsilejeunea, 5: 93 Strepsinema, 2: 341 Streptococcus, 4: 88 Streptothrix, 3: 622 Striariaceae, 2: 560 striations, 1: 57 stripe disease, 1: 9; 2: 187, 500, 503-505, 509, 510; 4: 185, 551, 569 strobilus, 2: 412 stroma, 1: 24 strontium, 2: 187; 3: 387; 5: 211 structure, 4: 51, 52, 62 Struthiopteris, 3: 469, 481 Strychnos, 5: 376 stylar branch, 5: 119, 122 style, 1: 82, 85; 5: 64, 118-120 stylodium, 5: 118-121 Stylolejeunea, 5: 93 Suaeda, 5: 165 sub-association, 1: 212 suberin, 1: 54, 57, 58 subformation, 2: 222 subtraction colors, 3: 352 succession, 2: 222; 3: 449, 450; 4: 62, successional changes, 4: 53 succinic acid, 3: 385; 4: 140, 146; 5: 218, 227, 330 succinimid, 4: 124 succulents, 5: 176, 552, 557 sucrose, 2: 431; 5: 328, 329, 333, 340 suction force, 4: 542 suction pressure, 4: 542 suction tension, 4: 543 Sudan, 1: 76; 3: 20; 4: 511 Sudan grass, 2: 505 suffultory cell, 2: 467-469 sugar, 1: 54; 4: 187, 195 1: 2, 3, 5, 6, 9, 407; 2: 175, 183; 3: 298; 4: 190, 192, 195, 385, 404, 407; 5: 241, 244, 253, 256, 267, 292, 472 478 sugar cane (see also Saccharum), 1: 2, 5, 6, 8, 9, 407; 2: 179; 4: 17, 166, 170, 185, 190, 196, 240, 241, 269, 435, 551; 5: 274, 303, 306, 307 sulphates, 2: 295, 296 sulphur, 2: 288, 384, 385, 506, 508, 510, 516, 589, 591; 3: 47, 58; 4:

141, 192–194, 197, 198, 405; **5**: 208, 328, 335, 337, 340, 342, 343 sulphur bacteria, 4: 87, 90, 107 sulphur dioxide, 2: 589 sulphuric acid, 2: 517, 589 sulphydryl, 5: 335 sumac (see also Rhus), 5: 176 sundew (see also Drosera), 5: 155 sunflower (see also *Helianthus*), 2: 180, 389; 3: 558; 4: 11, 16, 187, 256; 5: 195 super-micelle, 1: 28, 29 superphosphate, 4: 411 suspension culture, 4: 633-635 sweating out, 4: 409, 410 swede, 2: 265 sweet potato (see also *Ipomoea*), 2: 9, 180; 3: 92, 288, 295; 4: 11, 16; 5: 161 sylindein, 4: 154 Symbiesidium, 5: 72, 92 symbiosis, 1: 454; 3: 623; 4: 476, 477, 484, 485, 493 Sympetalae, 4: 42 Sympetalae, 4: 42
Symphoricarpos (see also snowberry), 5: 55, 56, 73, 79, 83, 93
Symphyomitra, 5: 91
Symphytum, 3: 418, 596; 5: 120
Symplocaceae, 2: 403
Symplocos, 4: 382
synangia, 2: 409; 3: 580
synapsis, 2: 341–343, 539
syncarpy, 5: 121–125 syncarpy, 5: 121-125 Syncephalis, 1: 329 Synchytrium, 2: 265 synchorology, 4: 51 synecology, 1: 210; 3: 444; 4: 51 syneresis, 1: 32; 2: 493 synergids, 2: 568-582 synergism, 4: 168, 169, 174, 477, 480 syngammeon, 3: 410 syngenetics, 4: 51 syngynium, 5: 125 syngyny, 1:85 Syntherisma, 4: 264 synthetic characteristics, 4: 52, 73 synusiae, 3: 448, 449; 5: 548 Syringa (see also lilac), 2: 354; 5: systematics, 4: 51 Šyzygiella, 5: 92

taches, 4: 415
Taeniocrada, 1: 385, 389; 3: 565-567
Taeniolejeunea, 5: 93
Taenioxylon, 2: 403
Tainia, 4: 35
Taiwania, 3: 344

Talbot's law, 2: 4; 5: 661 tall-grass land, 5: 161 tanglehead, 5: 178 tankkyan, 5: 188 tannase, 4: 152; 5: 290 tannin, 2: 256, 257; 5: 358, 359 tap root, 4: 196 Taraxacum, 2: 581; 3: 439, 522 tarbil, 2: 594 Targionia, 2: 59; 5: 87, 94 Targioniaceae, 2: 59; 5: 89, 94 tarnished plant bug, 5: 280, 282 taro, 4: 17 tartaric acid, 5: 218, 330 tarweed, 5: 172 Taxaceae, 1: 195; 3; 344 Taxilejeunea, 5: 70, 92 Taxineae, 2: 75 Taxites, 3: 35 Taxodieae, 3: 343, 344

Taxodium (see also bald cypress),
2: 73, 83; 3: 44, 46; 4: 384, 387; 5: 644 taxonomy, 3: 335, 400 Taxospermum, 4: 208 Taxus (see also yew), 1: 197, 198; 2: 74, 83, 354; 3: 344, 355; 5: 405, 534, 644, 645, 646 tea (see also *Thea*), 3: 211; 4: 193, 198; 5: 275, 283-287 teak, 5: 188 Tecoma, 5: 392 Tectaria, 3: 472, 478, 480 teff, 4: 17 Telangium, 2: 406, 407, 410 Telaranea, 5: 91 tellurium, 2: 393; 3: 393 telome, 1: 387 telophase, 2: 531-535; 5: 146, 147 telosynapsis, 2: 341, 352 Temnona, 5: 65, 91 temperature, 2: 267; 4: 23, 30, 592, 596 temperature coefficient, 2: 293 teosinte (see also Euchlaena), 2: 206; 3: 269 tepari, 4: 16 Tephrosia, 4: 38; 5: 285 terfas, 4: 419 Terfezia, 4: 417, 419 Terminalia, 3: 37, 39; 5: 188 Ternstroemites, 3: 35 terrein, 4: 154 Tertiary, 1: 184; 2: 398-400, 403, 412; 3: 31; 4: 371-392 tertiary butyl alcohol, 3: 249 Tesselina, 1: 275 Tetracentron, 3: 348 Tetracera, 4: 382, 387

tetrads, 2: 67 tetra-galacturonic acid, 2: 476 Tetraneuris, 5: 290
tetraploids, 1: 269-273; 2: 198-206;
3: 414-419, 336, 598, 609; 4: 117 Tetrapogon, 4: 33 tetrasomics, 2: 197-204 Thallasiophyta, 2: 557; 4: 132
Thalictrum, 3: 434; 5: 116, 117
Thallasiophyta, 5: 54
thallium, 2: 187, 593
Thallasiophyta, 4: 45 Thallomia, 1: 445 Thamnidium, 3: 634 Thamnopteris, 1: 435, 439 Thea (see also camellia and tea), 4: 242 Theaceae, 2: 403 Thelasinae, 4: 23 Thelasis, 4: 27, 36 Thelymitra, 4: 35 Thermopsis, 4: 253 therophytes, 5: 552, 553 thiamin, 5: 338-341 Thiazin dyes, 3: 78 thiazole, 5: 340 Thielavia, 4: 481, 632, 646 thimbleberry, 5: 155, 176 thiocyanate, 2: 594; 5: 335 thiocyanic acid, 5: 225 thionin, 3: 78 thiosinanin, 4: 584 thiosulphate, 5: 335 thistle, 3: 196; 5: 191, 195 thixotropy, 1: 30 Thlaspi, 4: 23, 254, 256 Thorea, 4: 667, 669 Thoreaceae, 4: 667 Thrinax, 3: 37, 39; 4: 242 thrips, 1: 4, 6, 453; 5: 241, 244, 245 Thuja, 1: 199; 2: 74, 83; 3: 344; 4: 374 Thursophyton, 3: 570, 572 Thymelaeaceae, 4: 252, 253; 5: 126 thymo-nucleic acid, 4: 92 thymo-nucleic acid, 4: 92
Thymus, 4: 66, 71
Thysonanthus, 5: 92
Tilia, 4: 376, 378, 389; 5: 377, 421,
424, 642, 643, 645, 646
Tiliaceae, 2: 403; 4: 252
tillantin, 2: 514 tiller counts, 2: 229 Tilletia (see also bunt), 1: 124, 125, 333; 2: 270, 503; 4: 167 Tilopteridales, 2: 559 time curves, 2: 293 timothy (see also *Phleum*), 4: 256, 260, 261, 267, 271; 5: 176, 189 tin, 5: 211

Tissa, 5: 190 tissue criblé, 5: 374 tissue culture, 2: 419 tissue preparation, 5: 531 tissue repair, 2: 420 tissues, 5: 119 titanium, 3: 338; 5: 211 Tithonia, 3: 269 Tmesipteris, 1: 444 tobacco (see also Nicotiana) chlorophyll, 4: 516 cytology, 1: 114; 4: 510; 5: 137, 414, 415 disease, 1: 6, 9, 11, 12, 417; 2: 257, 259, 447, 451, 518; 3: 278, 505; 4: 193, 436; 5: 243, 256–261, 266, 267, 472, 475, 478 domestication, 4: 11, 16 hybrids, 4: 294 myrhdis, 7: 294 irradiation, 2: 32, 44, 48 morphology, 2: 365; 5: 373, 378, 385, 416, 417, 422 nutrition, 2: 175, 176, 183, 257; 3: 88, 93, 98, 104; 4: 183–186, 188, 190-193, 197 phototropism, 3: 269; 4: 599 seed, longevity of, 4: 256, 260, 271 translocation, 5: 473, 484 water, 2: 259 Todea, 5: 437 Tolmica, 4: 278, 286, 359 toluene, 4: 516, 523; 5: 533, 538, 539 toluidine, 2: 306 toluidine blue, 3: 78, 79; 5: 362, 364 Tomaspis, 5: 303 tomato (see also Lycopersicum) cytogenetics, 2: 198, 205 cytology, 5: 137 disease, 1: 4, 6, 10, 11, 408, 414, 415; 2: 261, 270, 511, 516; 3: 506; 4: 431, 434, 436, 550, 552, 553, 555, 558, 560, 561; 5: 241, 257, 274, 308, 310, 472, 473, 476, 477 ecology, 5: 161 nutrition, 2: 176, 179, 180, 182, 183, 189, 190–192, 194; 3: 104–107, 112, 122, 139, 158, 159, 506; 4: 184–190, 589, 605 pectin, 2: 484 phototropism, 1: 358 pigments, 2: 11 root interaction, 3: 196, 197 seed, longevity of, 4: 256, 268 tissue culture, 2: 426, 431 tonic phenomena, 3: 177, 185 tonoplast, 3: 3, 5, 19; 4: 94; 5: 359 tonus, 3: 187 topsiekte, 2: 174

Torreya, 2: 73, 83 Torula, 4: 486, 488 toxaemias, 5: 273 toxicose, 5: 276 toxins, 4: 170-173, 475, 487, 488; 5: 273 Toxoptera, 5: 275 trabants, 3: 245 Trachylejeunea, 5: 93 Tradescantia, 1: 107-109; 2: 126, 529+; 3: 12, 242-251, 335-338, 601; 4: 446-452, 519; 5: 5, 11, 21, 135, 149, 354 Tragopogon (see also salsify), 3: 524; 4: 58 Trametes, 5: 339 transgenation, 5: 5, 33 transition cells, 5: 426 translocation, 1: 106, 486; 3: 47; 5: 30-33, 471 transmitting tract, 5: 119 transpiration, 2: 16, 590; 3: 322 Trapa, 1: 40; 3: 46; 4: 245, 378 Traube's cells, 5: 359 trehalose, 5: 329 trenching, 4: 327

Treubia, 2: 55, 63, 64; 5: 93

Treubiaceae, 2: 61: 5: 87, 89, 93

Trianea, 5: 356, 357

Triassic, 1: 184

Tricarpellites, 3: 42

Trichellites, 3: 42 Trichachne, 5: 178 trichlamydius, 3: 547 Trichocolea, 5: 62, 73, 76, 77, 90 Trichocoleopsis, 5: 90 Trichoderma, 4: 166–168, 171, 173, 404, 478, 479, 482, 488–490, 492, 493; 5: 214, 225 Tricholoma, 5: 339 Trichomanes, 1: 428; 3: 459, 475, 486, 490, 491; 5: 436-438, 442, 446
Trichophyton, 3: 622; 5: 213, 328, 329, 335, 338, 339 Trichosacme, 3: 524 trichothallic growth, 2: 559 Trichothecium, 5: 216 Trientalis, 5: 187 Trifolium (see also clover), 1: 408; 4: 250, 251, 253, 256, 257, 259 Triglochin, 5: 127, 188 Trigonanthaceae 5: 87, 89 trigones, 5: 61, 85 Trigonocarpales, 4: 210-213, 218, 219, 226, 227 Trigonocarpon, 1: 186
Trigonocarpus, 4: 205, 207, 208, 210, 211, 220, 221, 228 Trigonospermales, 4: 213

Trillium, 2: 533; 3: 254, 255; 5: 21 trimethyl arsine, 4: 156 Triodia, 4: 33, 34 Triosa, 5: 298 Triphlebia, 3: 473 Triplasis, 4: 33 triplex, 2: 17 Triplicarpus, 2: 402 triplochlamydous, 2: 351 triploids, 1: 108, 109, 270-273; 2: 198, 199; 3: 598 Tripsacum, 1: 318 trisomics, 2: 197-199, 208; 5: 146 trisomy, 2: 343 Triticinae, 1: 468 Triticum (see also wheat) cytology, 1: 101, 103, 110, 112, 468-486+; 5: 29 hybrids, see cytology irradiation, 2: 10; 5: 14, 21, 26 morphology, 2: 352; 5: 457, 463 phototropism, 2: 135 tissue culture, 2: 425 Tritomaria, 5: 61, 62, 91 Trochodendraceae, 3: 343 Trochodendron, 3: 343 Trocholejeunea, 5: 92
Tropaeolum, 2: 124, 133; 3: 262, 352, 356; 4: 16, 519; 5: 417
trophisms, 1: 176; 3: 176, 187 trophoplasm, 1: 23 truffles, 4: 397, 416–419 trumpet hyphae, 5: 406 trypanosoma, 4: 571 trypsin, 5: 259 tryptophane, 1: 177; 3: 87, 391
Tsuga (see also hemlock), 2: 73, 83; 3: 344 Tuber, 4: 397, 419 Tuberculariella, 1: 451 Tuberculina, 4: 480 tuberculosis, 1: 407 tuberization, 3: 261, 265, 273 Tubicaulis, 1: 439 tulip tree (see also Liriodendron), 5: 160 Tulipa, 1: 344; 2: 573, 574; 3: 242; 4: 586; 5: 21, 260, 355 tumbleweed (see also Amaranthus), 5: 191 tung oil tree (see also Aleurites), 2: 593; 4: 194, 198 tungsten, 2: 188; 5: 231, 338 tunica, 2: 352; 3: 553 tunica-corpus theory, 5: 459 Tuomeya, 4: 667-669 tupelo (see also Nyssa), 5: 151 turgor, 3: 2 turgor deficit, 4: 543

turgor pressure, 4: 533, 539 + turnip, 2: 45, 176, 179, 238, 392; 3: 196; 4: 17, 256, 268 turpentine, 2: 594 tussock grass, 5: 165 Twort-d'Herelle phenomenon, 3: 499 Tylimanthus, 5: 77, 82, 92 tyloses, 2: 260, 261 Typha, 4: 244, 246, 270; 5: 635 Typhaceae, 2: 76 tyrosinase, 3: 524 tyrosine, 3: 90; 5: 17

U

Ullucus, 2: 35, 52, 124; 3: 262; 4: 16 Ulmaceae, 5: 98 Ulmus (see also elm), 3: 44; 4: 240, 241, 376, 378, 384, 389; 5: 290, 293, 645, 646 Ulothrix, 4: 133 ultraviolet radiation, 1: 58, 500; 2: 43, 45; 4: 600; 5: 12, 18, 27, 148

Ulva, 2: 554; 4: 134 Ulvaceae, 4: 134, 135 Umbellales, 2: 401 Umbelliferae, 4: 256, 292; 5: 99, 106 Umbellularia, 4: 379, 389 Umbraculum, 2: 55, 61 Uncinula, 1: 503 union, 3: 448 uranin, 5: 352 uranium, 2: 187; 5: 210 urea, 3: 89; 4: 124, 405 urease, 3: 92 Uredinales, 1: 330 Uredineae, 1: 327 Urocystis, 2: 503, 504 Uromyces, 1: 336-338, 345, 354; 2: Urospora, 4: 136 Urpflanze, 5: 115 *Urticae*, 3: 12; 4: 604; 5: 376, 641, 642 Urticaceae, 4: 255; 5: 98, 120, 126 Urticales, 5: 98 Uspulum, 2: 499, 514 Ustilagineae, 1: 327, 332 Ustilago, 1: 123, 124, 332, 333; 2: 255, 499, 504–506, 509, 511; 4: 167, 602; 5: 328, 329, 339 Ustulina, 4: 144, 146, 156

V

Vaccinium (see also blueberry, cranberry & huckleberry), 1: 334; 3: 300, 334, 415; 5: 167, 182, 183, 189 vacuole, 2: 90-92; 3: 1; 4: 93; 5: 141, 142, 358, 533 vacuome, 2: 85-92; 5: 132, 134, 141 Valerianaceae, 5: 126

valine, 3: 622 Vallisneria, 2: 21; 3: 12; 4: 245, 246, 270, 448; 5: 24, 494, 495 Valonia, 2: 20, 285-291; 3: 10, 15, 313; 4: 134; 5: 362, 533 vanadium, 2: 376, 378; 3: 387; 5: 211 Vandea, 4: 484 Vandellia, 4: 43 Vanhoeffenia, 4: 667, 668 vanillin, 2: 594 Vardekloeftia, 2: 410 variation, 3: 176, 402, 403 variegation, 3: 549 Vasco, 2: 516 vascular plants, origin, 3: 563 vascular structures, 5: 104 Vaucheria, 4: 134; 5: 135, 655 vectors, see insect vectors vegetation, 2: 221 vegetation form, 4: 61; 5: 548 vegetative reproduction, 3: 457 veldt, 2: 222 Venidium, 3: 605 ventral scales, 5: 56, 57 Venturia, 1: 498, 501, 503; 2: 265, 588; 3: 298 Verbascum, 2: 45; 3: 596, 605; 4: 256-262, 281, 284, 285, 337; 5: 371 Verbena, 4: 256, 264 Verbenaceae, 4: 256 Vermicularia, 5: 344 vernalization, 3: 266; 4: 582, 583, 594 Veronica, 2: 353; 4: 66, 246, 284, 291 verticillic acid, 4: 155 Verticillium, 2: 261, 263; 4: 415, 481 vesicle, 4: 499 vetch (see also Vicia), 2: 389; 3: 367 Vibrio, 4: 87 Viburnum, 1: 407; 3: 362; 5: 462 Vicia (see also vetch) auxin, 5: 673, 674 cleistogamy, 4: 37 cytology, 2: 451, 542; 3: 12; 5: 138, 144-146 diseases, 4: 552, 572 geotropism, 3: 178, 180 irridiation, 2: 16, 35, 100-112; 5: 13, 14, 19, 21 nutrition, 2: 173, 176; 3: 131; 4: 184 pigmentation, 3: 357 plasmatic inheritance, 4: 120, 122, 125, 126 seed, longevity of, 4: 253, 254, 260 Victoria, 5: 127, 377, 378 Vigna (see also cowpea), 1: 331-334; 3: 375, 376 yigor, 4: 52

Vinca, 2: 353; 3: 553

vine (see also Vitis), 1: 499, 503, 506; 2: 249; 5: 281, 297 cleistogamy, 4: 21-26, 29-30, 40, 41 cytology, 1: 101, 104, 112; 3: 343 ecology, 5: 174 hybrids, 3: 598, 609 irradiation, 3: 268 morphology, 5: 123, 124, 641 pigmentation, 1: 239; 3: 357, 359 violet, 4: 434; 5: 172 virus, 1: 1; 2: 432; 4: 434, 548; 5: 133, 149, 240, 471, 474 Viscum, 5: 126, 414, 415 vibilet, 5: 524, vitaids, 5: 534 vital staining, 3: 20; 4: 107, 108, 446, 585–588; 5: 351 vitality, 4: 52, 62 vitamin A, 2: 42, 43; 5: 362 vitamin B, 4: 484, 485, 483, 624 vitamin B₁, 4: 484, 485, 492, 634 vitamin B2, 2: 43 vitamin C, 2: 43; 4: 523, 601 vitamin D, 2: 43 vitamins, 2: 42; 3: 217, 616; 4: 483, 484; 5: 327 Vitis (see also vine), 1: 103; 2: 366; 3: 46; 5: 376-42 Vitiveria, 5: 184 volutin, 2: 88, 90; 4: 92-94 Volvaria, 4: 397, 417, 418 Volvocales, 4: 133 Volvox, 2: 89, 103; 4: 133

wallflower, 1:81 wall pressure, 4: 536, 539, 542 walnut (see also Juglans), 2: 177; 3: 196; 4: 242; 5: 170, 188, 297 water, 4: 22, 23, 531; 5: 64, 65 watermelon, 4: 17, 256, 268, 589; 5: Watsonia, 4: 252 wattle (see also Acacia), 5: 282 weather and disease, 1: 497 Weber's law, 5: 662 Weber-Fechner law, 2: 4 weight, 4: 52, 69 Weisnerella, 5: 94 Welwitschia, 2: 74, 75, 83; 3: 344 Welwitschiaceae, 1: 200 Westerheimia, 2: 408 Wettsteinia, 5: 91, 92 wheat (see also Triticum) cytology, 1: 114, 467; 2: 538; 5: 137, 138, 146, 538 domestication, 4: 11 disease, 1: 10, 505, 507; 2: 249, 259, 267-270, 298-504, 509-515, 519, 520; 3: 293; 5: 163

ecology, 5: 155, 161, 165 hybrids, 3: 605 irradiation, 5: 17
nutrition, 2: 177, 183, 184, 188; 3: 88, 104; 4: 190, 192, 589, 590
photoperiodism, 2: 37; 4: 596, 597
respiration, 1: 254 sap, 5: 536 seed, longevity of, 4: 254, 256, 265, 266, 269 selenium, 2: 376, 377, 384, 385, 389wheat grass (see also Agropyron), 5: 162, 163, 166, 172, 176, 180, 191 whispering bells, 5: 195 white bud disease, 4: 195 white fly, 5: 277 Whittleseyinae, 2: 70, 407; 4: 223 Whittleseyinae, 2: 406; 3: 580, 581 Wilcox flora, 4: 375 wildfire, 1: 406, 408, 411; 3: 505 wild rice (see also Zizania), 4: 241, 242; 5: 176 Williamsonia, 1: 187; 2: 410 willow, (see also *Salix*), 1: 40, 45; 4: 60, 241, 269, 390, 602; 5: 170, 189, 195, 496 wilt, 1: 406, 412; 2: 260-264, 506, 507, 511; 3: 283, 289; 4: 170; 5: 283, 310-316 Winteraceae, 3: 343 wire-grass land, 5: 156, 162 Wisconsin leaf spot, 1: 408 Wistaria, 4: 570; 5: 390, 395 witches' broom, 5: 282, 298 wither tip, 2: 247 Woodsia, 3: 480; 5: 438 Woodwardia, 3: 473, 478, 484, 487; **5**: 438, 446 woolly apple aphis, 5: 292, 293 wound healing, 2: 420 Wuchsstoff, 2: 104

X

Xanthium, 2: 22, 28, 139; 4: 537
xanthophyll, 2: 7, 11; 3: 354; 4: 513
Xanthosoma, 4: 16
X-chromosome, 1: 272-275
Xenotheca, 3: 577; 4: 231
xerobes, 3: 447
xerophytes, 3: 447; 5: 556
X-rays, 1: 9-11, 59, 61, 62, 64, 65, 68, 486, 508; 2: 477, 478, 533, 536, 538; 4: 128; 5: 1
X-virus, 1: 9, 11
xylan, 1: 507; 2: 477, 478
Xylaria, 4: 404
xylem, 5: 471 +
Xylia, 5: 188

xylochloric acid, 3: 354 xylochrome, 3: 355 Xylorhiza, 2: 387, 393; 5: 188 xylose, 2: 477; 5: 329

Y

yam, 4: 17
yam bean, 4: 16
Yarravia, 3: 579-581
yarrow (see also Achillea), 5: 172
yautia, 4: 16
Y-chromosome, 1: 272-275
yeast, 2: 284; 4: 92, 482, 486, 489, 635, 644, 649; 5: 140, 224, 228, 335-338, 360
yellow curl, 4: 569
yellow dwarf disease, 1: 5; 4: 561
yellow flat disease, 1: 2, 5, 7
yellowing, 4: 190, 194
yellows, 1: 3-10; 4: 193, 198; 5: 241, 299, 308-310
yew (see also Taxus), 1: 40
Yucca, 3: 46, 346; 5: 163, 170
Y-virus, 1: 9-11

2

Zalesskya, 1: 435 Zamia, 1: 188; 3: 344; 5: 462 Zannichellia, 4: 243 Zea (see also corn and maize) cytology, 1: 101, 102, 107, 108, 110, 292; 2: 534; 3: 12; 5: 30 disease, 1: 346 hybrids, 1: 104, 110, 303, 317, 319 irradiation, 5: 21 morphology, 5: 377, 385 respiration, 1: 254, 259 tissue culture, 2: 423, 424 Zeilleria, 2: 407 Zeugites, 2: 407
Zeugites, 2: 357
zinc, 2: 173, 174, 181, 185–189, 365, 508, 511; 3: 309; 4: 141, 194, 195, 198; 5: 336–338, 342, 344
zinc carbonate, 5: 222
zinc chloride, 5: 387 zinc-lime, 2: 593 zinc oxide, 5: 222 zinc sulphate, 5: 211, 213, 214, 593 Zinnia, 1: 7; 4: 551 zirconium, 2: 187 Zisania (see also wild rice), 4: 239, 245, 246, 269
Zizyphus (see also jujube), 2: 581; 3: 35, 37 Zoopsis, 5: 53, 63, 70, 91 zoospores, 2: 456, 461, 464, 469, 555 Zostera, 1: 343; 3: 277 Zosterophyllum, 3: 566, 567

SUBJECT MATTER

Zygodenus, 5: 175, 195 Zygina, 5: 274 Zygnema, 4: 133, 447 zygomorphy, 5: 98 Zygomycetes, 1: 330; 4: 486

Zygopterideae, 1: 427-431 Zygopteris, 1: 399, 437 Zygorhynchus, 3: 634 zygosis, 2: 560 zygotic lethality, 4: 125

INDEX TO AUTHORS

Page numbers in bold face refer to entire articles by the authors concerned. Roman numbers refer to incidental mention.

Aamodt, O. S., 1: 124, 348 Aario, L., 5: 643 Aase, H. C., 1: 103, 467; 2: 450 Abakumova, M., 4: 595 (1) Abbe, E. C., 5: 99 Abbe, L. B., 5: 375-420, 471 Abdel-Salam, M. M., 1: 336; 2: 240 Abdel-Salam, M. M., 1. 330, 2. 240 (1), 255 (1) Abe, M., 3: 89 (252) Abell, M. F., 3: 211 (1) Aberson, J. H., 3: 197, 207 (2) Abrams, L. R., 4: 376 Abramson, H. A., 3: 535 (73), 537, 538 (1, 3, 4) Abromavich, C. E., 4: 585 (2) Achromeiko, A. I., 3: 196 (3b), 201, 203, 209, 210 (3a, 3b), 214 (3b) Ackley, A. B., 2: 457 Acton, E. H., 3: 201 (4), 208 (4) Adams, J., 1: 363 (1); 2: 12, 137, Adams, J. F., 2: 588 (1, 3), 591 (4), 592 (1), 593 (1, 3), 594 (1, 2, 3), 595 (1, 2, 3, 55)

Adams, P. D., 4: 146 (2)

Adamson, R. S., 4: 73, 76; 5: 546

Addicott, F., 3: 630

Addoms, R. M. 3: 152 (1, 2), 155 139 Addoms, R. M., 3: 152 (1, 2), 155 (156); 4: 186 (99) Aderca, B., 1: 395 Aebersold, P. C., 5: 17 (254) Afanasiev, M. M., 4: 646 Afanassieva, A. S., 5: 14 (1) Afify, A., 5: 566 Agardh, C. A., 2: 456; 3: 1 Agulhon, H., 2: 173; 4: 184 Aichel, O., 2: 448
Aikman, J. M., 1: 369 (3); 3: 210
(117), 213 (117); 4: 66
Aiyer, P. A. S., 3: 215 (154)
Akerlund, E., 3: 420; 4: 583 (3)
Albach, W., 5: 352, 363
Albach, A. O., 4: 194 (2)
Albert, W. B., 2: 187 (120)
Albertson, F. W., 4: 58
Albrecht, W. A., 3: 198 (5, 6), 209
(5), 214 (6), 371 (4), 388
Albus, W. R., 4: 96
Alcala, P. E., 1: 79 (44) Aichel, Ó., 2: 448 Alcala, P. E., 1: 79 (44) Aldous, A. E., 4: 71 (2); 5: 195 Alechin, W. W., 1: 221; 4: 71

Alexander, J., 5: 568
Alexander, L. J., 2: 510 (1), 516 (1)
Alexandrovskaja, V. A., 2: 36 (74),
42 (74); 3: 265
Allam, F., 3: 208 (7)
Allan, H. H., 3: 593; 4: 61, 602; 5:
550, 555
Allard, H. A., 1: 368 (46, 47, 48);
2: 9, 24, 33, 34, 51, 52, 99 (146),
118, 124, 127, 129 (146), 134, 135,
136 (145, 148), 137, 139, 141, 144
(146); 3: 259, 260 (14) 261, 263,
596; 4: 581, 598, 599
Allen, C. E., 1: 269; 2: 208 (1); 4: 390; 4: 581, 598, 599 Allen, C. E., 1: 269; 2: 208 (1); 4: 133 (1), 584 Allen, E. K., 3: 375, 376, 377 Allen, M. C., 3: 213 (147); 4: 166, 172 (1), 173 (1), 488, 490 (32) Allen, O. N., 3: 214 (8), 375, 376, 377 377
Allen, R. F., 1: 343, 346, 347; 5: 443
Allison, C. C., 1: 122
Allison, F. E., 3: 208 (9, 11), 211
(11), 212 (14), 213 (225), 215
(13), 216 (12), 367, 371, 372 (43),
374 (43), 381 (8), 384; 5: 332
Allison, R. V., 2: 179
Allison, S. K., 5: 7 (40)
Allison, W. H., 3: 198 (6), 214 (6)
Allyn, W. P., 3: 371, 372
Almon, L., 3: 213 (15), 378, 390, 391 Allyn, W. P., 3: 371, 372 Almon, L., 3: 213 (15), 378, 390, 391 (13), 517 (1) Almquist, E., 3: 425 Alsterberg, G., 4: 585 (6) Alten, F., 2: 187 (4) Altenburg, E., 5: 4 (206, 207), 18 Altmann, V., 5: 20 (3), 23 (3) Amato, A., 4: 91 Ambrož, A., 4: 90 Ambrož, A., 4: 90 Amelung, H., 4: 145 (1) Amici, G. B., 3: 1 Amlong, H. U., 3: 180; 5: 664, 673, 674 Ancel, S., 5: 22 (4, 5, 6) Anderson, A. K., 4: 146 (2) Anderson, D., 2: 484 Anderson, D. A., 3: 371 (113, 114) Anderson, D. B., 1: 52; 2: 111 (5) Anderson, E., 2: 484; 3: 335, 601; 4: 298, 302 296, 302 Anderson, E. G., 1: 114, 236 (2), 238, 242, 296 (2, 3, 4, 26), 297, 298 (2), 300 (1), 313 (2, 3); 5: 27 (8), 28 (7), 29, 30 (7, 8, 10), 32 (7, 10) 61

Anderson, H. W., 1: 407 (120); 2: 593 (48); 3: 506; 4: 438, 632 Anderson, J. A., 2: 269 Anderson, M., 5: 173 Anderson, P. J., 4: 192 (4), 632, 646 Anderssen, F. G., 2: 180 (5) Andersson, G., 1: 43 Andersson Kottö, I., 1: 237 (4), 239 (3, 4); 3: 550; 5: 441, 442, 446 André, G., 3: 201 (16), 220 (16); 4: Andrea, G., 3: 201 (10), 220 (10), ... 591 (7): 5: 533
Andreas, J., 5: 83
Andrews, E. A., 5: 285, 286, 287
Andrews, F. M., 2: 100; 5: 135, 136, 141, 142, 144, 146, 147, 148 Andronescu, D. I., 2: 420 Angeletti, A., 4: 143 Angell, H. R., 1: 500 (1) Angst, L., 2: 561 (1) Annand, P. N., 5: 292 Anstead, R. D., 5: 285, 287 Antevs, E., 1: 47; 5: 198 Applebaum, M., 3: 599
Applebaum, C. O., 3: 93 (247)
Appleman, D., 4: 592 (63)
Araratian, A. G., 1: 486; 2: 533; 5: 26 (165), 27 (165, 167), 28 (165),
30 (165) 30 (105)
Arata, M., 3: 213 (65)
Arbaumont, J. d', 4: 520
Arber, A., 1: 79, 82 (3, 4, 5, 6), 84,
86, 87, 90, 93; 5: 464 (1)
Arber, E. A. N., 1: 87 (7, 8), 387,
441 (1); 2: 410, 411, (1a); 3: 577
(2); 4: 210, 218, 219 (10), 220, Arber, E. C., 5: 104, 106, 107, 108, 109, 116, 119 Archbold, H. K., 1: 264 Arcichovsky, V., 1: 370; 5: 216 (2) Arens, K., 2: 244 Arisz, W. H., 3: 533; 5: 493, 494, Ark, P. A., 1: 448, 508 (108, 109); 4: 636 Arloing, F., 5: 226 Arloing, F., 5: 226
Armbruster, L., 2: 67 (1)
Armstrong, G. M., 5: 335
Armstrong, J. K., 4: 571 (46)
Armstrong, J. M., 1: 479
Arnaud, G., 1: 331
Arnaud, C., 3: 506 (6)
Arnaudov, N., 2: 420
Arndt, C. H., 2: 517 (3)
Arnold, C. A., 2: 406 (1); 3: 577;
4: 205 Arnold, J., 2: 448 Arnold, W. A., 1: 366 (5); 2: 6, 119, 121 (7), 143 (119) Arnon, D. I., 3: 312

Arny, A. C., 3: 204 (17) Aronescu, A., 1: 332, 337, 341 Arrhenius, O., 2: 233 Arrhenius, O., 4: 168, 172, 173 Arrington, L. B., 3: 122 (3), 312 (4), 319

Arthur, J. C., 1: 126, 132, 335 (10), 336; 4: 480

Arthur, J. M., 1: 358 (8), 364, 365 (7), 366 (91), 369 (7); 2: 10, 12, 16 (13), 17, 24, 25, 43, 119, 122, 136 (12), 143 (9, 13); 3: 139 (4), 159; 4: 590 (9), 594 (10)

Artist, R. C., 5: 628

Artschwager, E. F., 3: 92 (5, 6, 7), 139 (5); 4: 565 (2), 566, 568 (4), 569, 570 (3), 571 (3); 5: 375, 384

Arutiunian, N., 5: 27 (155)

Asai, T., 4: 146 (146), 147 (148)

Ascherson, P., 4: 25, 35, 37

Ashby, E., 2: 116, 120 (15), 221; 3: 218 (18), 443, 445, 446; 4: 607 (4), 319Ashcroft, J. M., 1: 499 (2) Ashton, M. R., 2: 41 Ashworth, D., 4: 644 Askew, H. O., 4: 185 (5) Aslander, A., 3: 200, 318 Aso, K., 5: 211 Asthana, R. P., 4: 481 (2), 485 (2), 486 (2) Atabekowa, A. J., 5: 14 (11), 29 (11)
Atanasoff, D., 1: 449 (1)
Atkins, W. R. G., 1: 359 (13), 360 (11, 12), 369 (12) 370; 3: 13; 5: 533, 534, 537, 538, 539, 540
Atkinson, G. F., 3: 459, 462, 466, 467, 468, 469, 472, 473, 474, 475, 483, 484; 4: 398 (2, 3, 4), 399 (2), 413 (4), 417 (1), 479 (43), 490 (43), 590 (11), 603 (11)
Atteck, O. S., 4: 328
Atwood, S., 5: 566
Atwood, W. M., 4: 260
Aubel, E., 4: 585 (12), 587 (12), 591 (12), 606
Auer, V., 1: 46 (3), 47 (3), 48, 49 (3); 5: 628, 629
Auler, H., 2: 442
Auler, H., 2: 442 (11)Auler, H., 2: 442 Auseklis, H., 3: 609 Austin, J. P., 4: 598 Austin, M. D., 2: 594 (7) Austin, S. W., 3: 161 (8); 4: 592 Avdulov, N., 1: 467, 474 Avery, A. G., 5: 4 (12, 18); 5: 28 (20), 30 (21), 31 (18), 33 (12), 444, 581, 591 Avery, G. S., 2: 48, 133 (17), 143

(17), 144 (17), 356, 357, 359, 361 (2), 362, 363, 365, 366 (2), 367; 4: 554 (5); 5: 480, 481, 658, 666 Avery, O. T., 4: 95 Avery, P., 2: 531 (25), 532, 534 (25), 535 (25) 545 Avery, P., 2: 531 (25), 532, 534 535 (25), 545 Avery, R. C., 4: 636, 647 Axelrod, D. I., 4: 386, 388, 389 Axentjev, B. N., 2: 45 (18) Axtman, G., 3: 626, 627, 629 Ayangar, G. N., 4: 34 Aykroyd, W., 3: 631 Ayyar, V., 3: 199 (21)

Baas Becking, L. G. M., 4: 514, 515 Babcock, E. B., 1: 103, 104, 107 (4); 3: 339, 342, 343, 594; 5: 580 Babes, V., 3: 17 Babička, J., 1: 177 (2) Baccarini, P., 4: 570; 5: 383 Backman, E., 3: 245, 249 Bacon, C. W., 2: 24; 4: 188 (38), 191 (37)(37)
Badian, J., 4: 91
Bagge, H., 3: 205 (22), 206 (22)
Bahadur, S., 4: 24, 34
Bail, O., 1: 327
Bailey, D. E., 2: 382 (34, 35)
Bailey, D. L., 1: 122
Bailey, G., 2: 493
Bailey, I. W., 1: 54, 55 (29), 56, 57, 69, 70; 2: 484; 3: 4, 7, 8, 16, 17, 18, 19, 21, 22, 344; 4: 571 (7); 5: 376, 410 410 Bailey, L. H., 1: 194
Bain, H. F., 3: 293; 4: 437 (41)
Baines, R. C., 4: 438
Baird, T. T., 3: 249
Baker, A., 3: 628
Baker, A. C. 5: 277 Baker, A., 3: 028 Baker, A. C., 5: 277 Baker, C. L., 2: 86, 88, 89, 90 Baker, F. C., 1: 42 Baker, F. S., 5: 186 Baker, G., 2: 492 Baker, G., 2: 492 Baker, H., 3: 61 Baker, J. A., 4: 418 (5) Baker, J. G., 3: 458-474. Baker, S. M., 4: 167, 172 (4), 174 (4)
Bakke, A. L., 5: 549 (26)
Balakrishnan, M. R., 3: 199 (21)
Balandin, V. N. K., 5: 157
Balch, R. E., 5: 290
Bald, J. G., 1: 4 (1, 61), 6 (60), 453;
5: 244 (59, 60), 245 (59)
Baldwin, I. L., 3: 207 (124), 211
(124), 212 (124), 213 (124), 214
(8), 215 (124), 366, 371, 372, 377

(56), 378 (37), 385 (37), 514; 4: Ball, E. D., 1: 2 (2), 6 (2), 453, 460 (56); 5: 288, 298, 299
Ball, N. G., 3: 52, 53; 4: 590 (15) Ball, N. G., 5: 52, 55, 4: 590 (13)
Ball, W. L., 1: 61
Ballard, E., 5: 285, 287
Ballard, W. S., 2: 593 (8)
Balls, W. L., 2: 244
Bally, W., 3: 459, 486
Baly, E. C. C., 2: 7, 41 (20), 143 Baly, I (19) (19)
Bambacioni, V., 2: 187 (6, 7), 572, 573 (3), 574, 575; 3: 105 (9)
Bamberg, R. H., 4: 167, 168, 174 (5), 479 (43), 490 (43)
Bamford, R., 5: 581
Bancroft, H. N., 1: 77, 432 (2), 433 (2); 5: 97 (7), 105 (8), 111, 113 (7), 464 (2)
Bancroft, W. D., 4: 101
Bandulska, H., 2: 399 (4, 5, 6, 7)
Banfield, W. M., 1: 415, 450
Bank, O., 5: 360, 452, 453 Bank, O., 5: 360, 452, 453 Barnetzki, 3: 190 Baranetzky, J., 2: 529; 5: 421, 422 Barber, H. H., 4: 151 Barber, H. N., 5: 588 Barber, M. A., 4: 638, 639, 643, 644, 649, 650
Barker, B. P. T., 2: 589 (9)
Barker, H. D., 1: 2 (69), 5 (69)
Barker, J., 1: 255, 256, 257
Barker, J. W., 4: 531
Barkley, F., 5: 635
Barnard, J. E., 4: 506, 636, 637, 648
Barner, J., 4: 572
Barnes, B., 1: 508 (3); 4: 648
Barnett, J., 5: 628, 648
Barnette, R. M., 4: 195 (6, 7, 8)
Barnum, C. C., 2: 262; 4: 170 (6)
Baron, J. H., 3: 213 (23)
Barr, P. M., 1: 367 (15)
Barral, E., 4: 586 649, 650 Barr, P. M., 1: 367 (15)
Barral, E., 4: 586
Barrett, J. T., 1: 414; 4: 477
Barrett, W. C., 3: 243
Barrington, A. H. M., 5: 188
Barritt, N. W., 3: 209 (24)
Barter, A. M., 1: 265
Barthel, C., 4: 213 (25)
Barthelmess, A., 5: 455 (3)
Bartholomew, E. T., 4: 570 (8)
Bartlett, E. M., 2: 54 (1)
Bartlett, H. H., 2: 104, 105, 318; 3: 201 (371) Bartlett, M. S., 2: 207 Bartley, M., 3: 219 (309), 309 (79), 628, 630 201 (371)

Bartmann, H., 4: 156 Barton, L. V., 4: 242, 247 (2, 3), 248, 264 (4) 264 (4)
Barton-Wright, E., 3: 94 (10)
Bary, H. A. de, 1: 327, 329, 331, 349;
2: 236, 237, 238, 239, 240, 456; 3: 2;
4: 102, 103, 106, 145, 165, 475, 476, 628; 5: 373, 374, 375, 384, 386, 393, 405, 406, 408, 416, 421, 422, 443
Bassarskaja, M. A., 4: 595 (17, 18)
Bassler, H., 1: 394 (3) Bassler, H., 1: 394 (3) Bassler, H., 1: 394 (3)
Batalin, A., 4: 35
Bates, C. G., 2: 116
Bates, R. C., 5: 575
Bateson, W., 4: 126
Bauch, R., 4: 641, 644, 646
Bauer, H., 2: 531; 3: 252, 346; 5: 27 Bauer, H., 2: 551; 3: 252, 546; 5: 2/
(13-15), 563, 610
Bauer, K. H., 2: 448
Baur, E., 1: 235 (7), 239 (5); 3:
556: 4: 298, 306, 308, 557; 5: 474
Bawden, F. C., 4: 550, 556 (12), 557,
565, 566 (10), 567 Bawten, F. C., 7, 530, 530, 127, 537, 555, 566 (10), 567

Bayne-Jones, S., 2: 104 (599); 3: 501 (79), 502 (79), 508; 4: 103

Beach, W. C., 4: 404, 415 (6), 416

Beach, W. S., 4: 481

Beadle, G. W., 1: 101, 104, 292 (5, 6, 7, 9, 10, 12), 303, 304, 313 (5, 7, 8), 317; 2: 206 (18); 5: 591

Beal, W. J., 4: 258, 260

Beal, J. M., 1: 198

Beale, H. P., 1: 12 (3, 4)

Beall, R., 1: 367 (95)

Beams, H. W., 3: 6, 7, 12; 5: 132, 589, 592, 595

Beath, O. A., 2: 375 (4, 5, 6), 378, 380, 382 (4), 383, 387, 388, 389, 390, 391, 393; 5: 188

Beatty, A. V., 5: 587

Beattys, R., 4: 279, 284, 285, 341, 343, 344, 344 Beatus, R., 4: 279, 284, 285, 341, 343, 344, 346 Beaumont, A., 1: 499 (5), 504, 505; 4: 434 (44) Beaumont, A. B., 3: 138, 152 (11, 12); 4: 189 Beauverie, J., 4: 505 (7), 513 (7) Bechman, E., 4: 402 (8), 405 (8) Bechtel, A. R., 4: 398 (7); 5: 98 Beck, W. A., 3: 12; 4: 515 (8), 541, Beckenbach, J. R., 2: 591 (102), 596 (102)Becker, G., 1: 280 (15); 4: 117, 124, 591 (190) Becker, K. E., 2: 503 (4, 5) Becker, W. A., 4: 446; 5: 354, 355, 357, 362, 605 Beckerowa, Z., 5: 354, 364

Becquerel, H., 3: 197 (26), 198 (26) Becquerel, P., 4: 235, 247 (7), 248, 250, 251, 260, 270 Beddome, R. H., 3: 467 Bedford, Duke of (John Russel), 3: 196, 197 Bedichek, S., 5: 27 (235) Beguin, C., 4: 590 (46) Behr, K., 5: 337 (57) Behre, K., 2: 421 Behrens, J., 2: 237 Beijerinck, M., 2: 489 (3), 490 Beijerinck, M., 2: 489 (3), 490
Beikirch, H., 2: 21 (23)
Bělar, K., 2: 534 (4), 535, 536 (4);
4: 447, 449 (14), 450, 451 (15),
455, 456, 457, 461, 462, 463, 464,
465, 469, 506; 5: 351
Belgrave, W. N. C., 3: 539 (9)
Beljakoff, E., 1: 362
Belkin, M., 4: 642 Bellakoff, E., 1: 362
Belkin, M., 4: 642
Bell, A. F., 1: 2 (49), 5 (49), 6 (49), 9 (49); 2: 37 (24), 273
Belling, J., 1: 475; 2: 198 (4, 5), 200 (4, 5), 330, 532, 539; 3: 241 (5), 242 (5, 6), 246, 252, 255
Belousov, M. A., 2: 175 (13, 8)
Belzung, E., 4: 499 (12), 520
Benecke, W., 4: 104, 590 (20); 5: 211 (5), 224
Benedict, H. M., 1: 366; 2: 43; 3: 268; 4: 605 (404a)
Benetzkaja, G. K., 1: 481
Bennett, A. W., 4: 39
Bennett, C. W., 1: 8 (5); 4: 171 (178), 558 (17), 559 (15, 16, 18), 560 (15), 562 (18), 563 (18), 568 (18); 5: 243 (3), 254, 262, 263, 266, 267, 328, 332, 472–479, 582, 583
Bennett, F. T., 1: 499 (7)
Bennett, J. P., 4: 188; 5: 496, 497
Bennett-Clark, T. A., 1: 20, 21, 260; 3: 129; 4: 140 (9), 148 (9), 531
Benoit, M., 4: 107
Bensley, R. R., 3: 4, 6, 8; 5: 149
Benson, H. 1: 304 (4) Belkin, M., 4: 642 Bensley, R. R., 3: 4, 6, 8; 5: 149 Benson, H., 1: 394 (4) Benson, M., 1: 433, 434; 2: 406 (9, 10, 8), 407, 409 (8), 410; 4: 217, 227 Bentham, G., 5: 99 Berg, F., 4: 349
Berg, K. H., 1: 475, 481
Berg, V., 4: 144 (84)
Bergdolt, E., 4: 29, 41
Berge, T. O., 2: 451; 3: 377 (56), Berger, C. A., 5: 614 Bergman, B., 2: 130 (121) Bergman, H. F., 4: 441, 442

Bergner, A. D., 5: 4 (21), 28 (20), Bergner, A. D., 5: 4 (21), 28 (20), 30 (21), 581
Bergonié, J., 5: 15
Berkley, E. E., 1: 60; 2: 120
Bernard, C., 1: 18; 3: 529; 5: 285, Bernard, N., 3: 213 (29, 30) Bernhauer, K., 4: 140 (10), 143 (12), 146 (11); 5: 218 (7), 219 (9), 221 (15), 226, 228 Bernthsen, A., 3: 79 Bernthsen, A., 3: 79
Berridge, E. M., 1: 413; 2: 445, 446
Berry, E. W., 2: 401, 402 (11); 3: 31; 4: 375, 386, 387 (7), 388
Berry, W. E., 2: 290, 299; 3: 314 (7)
Bersa, E., 4: 93; 5: 148
Bertel, R., 3: 103 (14)
Bertrand, C. E., 1: 185, 440; 4: 208, 210, 223, 226
Bertrand, G. 2: 32 (27), 173, 182 210, 223, 226
Bertrand, G., 2: 32 (27), 173, 182 (11), 188 (10), 490; 3: 359; 5: 210 (11), 212, 221 (15), 222, 224 (18), 227, 228 (16, 17, 15, 13)
Bertrand, P., 1: 185, 428, 430, 431, 434 (5), 435; 4: 219 (10)
Bertsch, K., 5: 642, 646
Beruldsen, E. T., 4: 63, 65 (67), 71
Bérzin, L., 2: 421
Bescoby, H. B., 1: 499 (5)
Bessey, C. E., 5: 99
Bessey, E. A., 2: 142 (28); 4: 417 (105), 591
Bessmertny, A., 4: 3 (2) Bessmertny, A., 4: 3 (2 Betrem, J. G., 1: 451 (4) Beumee-Nieuwland, N., 3: 539 (11) Beutner, R., 2: 49 (29) Beyer, W. M., 1: 506 (8); 2: 267 (8)Bewley, W. F., 3: 502, 506, 515; 4: 417 (10) Bews, J. W., 1: 474; 5: 549 (8) Beyer, A. H., 5: 299, 300 Beyerle, R., 3: 459, 477, 478, 479, 480, Bezssonoff, N., 2: 42 (30) Bhaduri, P. N., 5: 586 Bhargava, H. R., 1: 79 (11) Bhaskaran, T. R., 3: 199 (31) Bhatia, G. S., 5: 604 Biberdieva, M. P., 3: 508, 512 Biddulph, O., 3: 161 (15); 4: 590 (47), 591 (47), 592 (47) Biebel, J. P., 3: 269; 4: 596 (22) Biedermann, W., 4: 506 (14), 507 (14)Biekart, H. M., 3: 326 (8) Bielert, 4: 565 (121), 568 Biermacher, O., 4: 514 (15) Biffen, R. H., 3: 529

Binkley, A. M., 1: 454; 5: 309 Binney, E. W., 4: 208, 220 Binney, E. W., 4: 208, 220 Birge, E. A., 1: 359 (18, 19) Birkeland, J. M., 1: 12 (6) Birkenhead, W., 3: 474, 475 Birkinshaw, J. H., 4: 147 (21), 148 (16), 149 (14), 151 (13), 153 (15), 155 (22); 5: 327 Birsch-Hirschfeld, L., 3: 52, 216 (32) Bisby, G. R., 1: 501 (9); 4: 167, 170 (7), 172 (7), 173 Bishop, E. R., 2: 188 (12) Bishop, G. H., 4: 639 Bishop, L. R., 3: 88 (17), 157 Biswas, S. C., 3: 213 (192), 216 Bitter, G., 4: 602 Bittner, J. J., 4: 128 Bjälfve, G., 3: 378 (16), 384 Björksten, J., 3: 132 (18, 19), 149 (18, 19)Blaauw, A. H., 2: 4 (31), 110; 3: 176; 4: 594 (24); 5: 660, 661, 662, 663, 665, 668, 671, 672, 675 Black, A., 2: 43 (518) Black, C. A., 5: 435 Black, C. A., 5: 435 Black, L. M., 1: 5 (7), 246 (5) Black, P. T., 2: 42 (80) Blackburn, K. B., 4: 583 (25, 26) Blackman, F. F., 1: 253, 254, 262, 263, 265; 2: 7, 23 (33), 37 Blackman, G. E., 2: 227, 230, 231; 3: 210 (33) Blackman, V. H., 2: 113, 114, 132, 139
Blake, M. A., 3: 155 (156)
Blakeslee, A. F., 1: 235 (8), 239 (8), 274 (17), 456; 2: 198 (5, 6, 8), 199 (6, 8), 200 (4, 5, 9) 202 (9), 208 (7), 330, 336; 4: 170, 478, 585; 5: 4 (12, 17, 18, 21), 28 (20), 30 (21), 31 (17), 32 (73), 33 (12), 444, 581, 501 Blanck, E., 3: 197 (288), 201 (39) Blaringhem, L., 4: 416 (12), 587, 592 (27)Blass, J., 5: 417 Blau, O., 4: 97 Bleecker, W. L., 1: 411 (92) Bleier, H., 1: 471 (8), 475 (8, 9), 480 (9); 5: 595 480 (9); 5: 595 Bleyer, B., 4: 144 (24) Bliding, C., 4: 134 (2), 144 Bliesenick, H., 4: 564 Blinks, L. R., 2: 283 (3), 295 Bliss, D. E., 1: 499 (10) Blochwitz, A., 4: 478, 489 (5) Blodgett, F. M., 2: 590 (10); 4: 435 Blom, C. 3: 590 Blom, C., 3: 599

Blood, H. L., 1: 454; 4: 436; 5: 308, 309, 310 Blum, G., 1: 172; 3: 12; 4: 538, 542; 5: 659, 669 (96) Blum, H. F., 2: 15, 16 Blumenthal, F., 2: 442 Blumer, J. C., 4: 264 Blumer, S., 1: 125, 126; 5: 328, 329, Blumer, S., 1: 125, 126; 5: 328, 329, 339

339

Bibilioff, W., 3: 522, 523, 524 (22, 23), 525, 527, 529, 530, 533, 536, 538

Bobko, E., 2: 175 (13), 420

Bøcher, T. W., 3: 415, 447

Bøe, J., 3: 434

Boedjin, K., 2: 342

Boerner, E. G., 2: 498 (38)

Bogdanoff, P. L., 3: 263

Böhm, J. A., 4: 499, 504, 508

Böhmer, K., 2: 47 (39)

Böhmer, K., 2: 47 (39)

Bojko, H., 4: 73 (7, 8)

Bokorny, T. 3: 7, 18; 4: 522 (75)

Bolas, B. D., 2: 22, 114 (40), 139

Bolcato, V., 4: 144 (25)

Bold, H. C., 5: 81

Bolin, D. W., 2: 181 (14)

Bollen, W. B., 3: 391, 624, 628, 629

Bolley, H. L., 2: 499

Bollman, V. L., 5: 6 (177), 25 (177)

Bomberger, E. H., 5: 173

Boncquet, P. A., 1: 5 (70); 4: 559

(131)

Bond G. 3: 208 (35) 212 (35) (131)Bond, G., 3: 208, (35), 212 (35) Bond, V. S., 3: 378 (20), 384 Böning, K., 1: 449 (6); 2: 257; 4: 552, 553 (21); 5: 472, 476 Bonner, J., 1: 86 (12) Bonner, J., 1: 171, 172 (5), 173; 2: 475; 3: 182, 184, 616; 4: 484 (7), 490 (6), 491, 601 (30), 603; 5: 338, 659, 660, 673 (14), 676 Bonnevie, K., 2: 529 Bonnier, G., 2: 129; 4: 408 (13) Booher, G., 2: 129; 4: 408 (
Booberg, G., 3: 442
Boode, F. J. C., 5: 284 (17)
Boodle, L. A., 3: 522: 5: 423
Booer, J. R., 2: 514 (132)
Borden, A. D., 5: 296
Bordet, J., 3: 501, 513 (12)
Boresch, K., 2: 14
Borge, P. 5: 295 Borg, P., 5: 295 Borge, O., 4: 668 Börger, H., 2: 420, 421 Börgesen, F., 1: 145 Börnand, M., 5: 225 Börner, C., 5: 294 (22), 296 Bornhagen, H., 1: 270, 271, 276, 279, 281; 5: 435 Bornmüller, J., 3: 470, 596

Borodin, J., 4: 590 (31) Borodina, I. N., 2: 29, 30, 136 (309); 3: 160 Borriss, H., 2: 109; 3: 182; 5: 358, 363 363
Bortels, H., 1: 413, 414; 3: 216 (36);
5: 208 (20), 210 (20), 211 (20),
212, 214 (20), 215, 218 (20), 221,
222, 223 (21), 225, 229 (20), 230,
336, 337 (5)
Borthwick, H. A., 4: 596 (31a)
Bortner, C. E., 2: 184 (15)
Bose, J. C., 2: 49, 143 (47)
Bose, R. D., 4: 602 (32)
Bose, S. K., 3: 6 Bose, S. K., 3: 6 Bosian, G., 1: 361 (20); 2: 17 (48) Boswell, V. R., 3: 157 (89); 4: 596 (33)Bosworth, R. C. L., 3: 64
Both, M. P., 5: 471, 491, 494, 495
Bottazzi, F., 4: 506
Böttcher, O., 3: 529
Bottelier, H. P., 1: 169, 171 (10); 2: 21 (49); 3: 184 Bottomley, A. M., 1: 5 (74) Bottomley, W. B., 3: 218 (37, 38), 624 Bouillenne, M., 4: 587, 588, 589 Bouillenne, R., 2: 487 (8); 4: 587, 588, 589 Boulanger, E., 4: 146, 419 (14) Boulanger, P., 4: 585 (273) Bouman, A. M., 1: 417 Bourdel, 1: 499 (14), 503 (14) Bourne, G., 4: 523 Bourne, G., 4: 523 Bourquelot, E., 2: 488, 489 Bouslova, E. D., 4: 600 (210), 601 Boussingault, J. B. J., 3: 524 (26) Boutaric, A., 2: 594 (17) Bouygues, H., 2: 357; 5: 457 (4, 5) Bouyoucos, G. J., 5: 632 Boveri, H., 2: 448 Boveri, H., 2: 448
Bovey, P., 5: 295
Bovin, V. IA., 4: 91
Bowen, R. H., 2: 90; 3: 6; 4: 522
(18); 5: 134, 137, 141
Bower, F. O., 1: 383 (5), 386, 387, 388, 427, 429, 430, 432 (9), 434 (9), 436, 437, 440, 441 (9), 442, 443, 444 (9); 2: 357 (5); 3: 459, 462, 475, 476, 487, 491, 571, 590; 5: 441, 442, 454 (6), 455
Bowling, J. D., 4: 188 (39), 191 (37), 5: 342, 343
Bowman, P. W., 1: 49 (6); 5: 634, Bowman, P. W., 1: 49 (6); 5: 634. Boyce, F. F., 3: 508, 515 (54) Boycott, A. E., 4: 113, 114

Boyer, G., 4: 405 (15) Boyle, C., 2: 239; 4: 168, 170 (7), 171 (8), 172 (8), 173 Boyle, R., 3: 14 Boysen-Jensen, P., 1: 166 (7), 174; 2: 39, 48 (52), 101, 108 (52), 110 (52); 3: 184 (9), 201 (39), 217 (39); 5: 657, 664 Brackett, F. S., 1: 362 (67), 363 (68), 370 Braconnot, H., 2: 475, 491; 3: 196 (39a); 4: 149 Bradbury, O. C., 3: 249 (8) Bradford, F. C., 2: 26 (210); 3: 100, 157 (67) (210), 28 Bramcamp, R., 4: 388 (8) Brams, J., 2: 591 (11, 12, 13, 14, 15), 595 (16) Brandegee, T. S., 4: 26 Brandenburg, E., 2: 175 (16, 17, 18, 21), 180 (19, 20); 4: 185 Brandes, E. W., 1: 5 (10); 4: 170 (9), 435; 5: 261 (6) Brandrup, W., 4: 263 (43) Branfoot, M. H., 2: 479, 488 (12) Brantoot, M. H., 2: 479, 488 (12)
Braun, A., 4: 602 (40)
Braun-Blanquet, J., 1: 214, 221, 222, 224, 226, 227, 228; 2: 223; 3: 443, 448; 4: 51, 52, 53, 54, 56 (9), 59, 60, 61, 62 (9), 73, 74, 76 (9); 5: 158, 546 (33), 547 (10), 549 (10), 551
Brauner, L., 2: 20, 21 (55), 50, 110 (53); 3: 179, 180; 5: 356, 670, 676
Brauner, M., 5: 676
Braunroth, E., 3: 268; 4: 604 (104a), 605 (104a) 605 (104a)Breazeale, J. F., 3: 196 (41), 199 (41), 201 (40), 208 (40) Brebner, G., 5: 376, 422 Breda, N. C. van, 5: 556 (55) Breda, N. C. vall, 3: 350 (35) Bredow, H., 4: 497, 499 (20), 500, 511 (20), 521 Brefeld, O., 1: 449 (8); 4: 102, 419 (16), 478, 628, 633, 646 Brehmer, W., 4: 565 (25), 566, 567, 572
Bremer, H., 1: 412 (5)
Brenchley, G. H., 2: 255 (13)
Brenchley, W. E., 2: 173, 593 (18);
3: 88 (21), 204 (42), 308, 310; 4:
183, 184, 186, 187 (13)
Brenner, W., 2: 384
Brentzel, W. E., 2: 503 (7)
Breslavetz, L., 4: 583 (41), 592 (42),
597, 598 (44), 602
Bressman, E. N., 1: 124; 4: 590 (45)
Bretin, P. H., 5: 230 (24)
Brewbaker, H. E., 4: 352 Brewbaker, H. E., 4: 352 Brian, P. W., 4: 434

Bridel, M., 4: 590 (46) Bridges, C. B., 2: 531; 5: 5 (22), 29 (23), 33 (22), 28 (23), 582, 583, (23), 3, 584, 587 Briedgam, F. T., 4: 641 Brieger, F., 2: 420 Brieger, F. G., 4: 283, 297, 298, 299, 302, 308 Briegs, F. N., 2: 513 (80)
Briggs, G. E., 2: 292 (8, 8a, 8b), 300
(8, 8a, 8b), 305; 3: 316 (10); 4: 591 (48) Briggs, I. A., 2: 43 (507, 508), 144 (508) Briggs, L. J., 5: 190, 191 Briggs, T. H., 5: 162 (64) Briggs, 1. H., 5: 162 (64)
Brigham, R. O., 3: 148 (22)
Brink, R. A., 1: 296 (13, 14, 15, 16, 19), 297, 298 (16, 19), 303; 2: 212; 4: 594 (49)
Briosi, G., 4: 508; 5: 385 Briosi, G., 4: 508; 5: 385 Bristol-Roach, B. M., 2: 102 (56) Briton-Jones, H. R., 5: 288, 307 Brittingham, W. H., 2: 329 (30), 445 Brizi, U., 2: 441 Broadfoot, W. C., 4: 166, 169, 171 (11), 172 (11), 173 (129, 130), 174 (10, 11)Brockmann-Jerosch, H., 1: 224 Brocq-Rousseau, 3: 201 (43) Brodie, H. J., 1: 457; 4: 165 (12), 174, 483 (69) Bronfenbrenner, J., 3: 500 (14), 501 (14), 505 (14), 509, 513 (15), 517 Brongniart, A., 4: 207, 208, 210, 221, 222, 227 Z22, Z27
Brooke, J. W., 4: 91
Brooks, C., 4: 430, 431, 432, 433 (8)
Brooks, F. T., 1: 343 (15), 557, 558, 560; 2: 255 (13); 4: 548; 5: 472
Brooks, M. M., 2: 20, 285 (9), 293 (11, 10), 295, 304, 305; 3: 8, 11, 15; 5: 362
Brooks, S. C. 2: 202 (15, 17, 21) Brooks, S. C., 2: 292 (15, 17, 21), 295, 300 (15, 17, 21), 304; 3: 316 (11); 5: 533 Brouland, M., 5: 108
Brown, A. J., 4: 263 (10)
Brown, A. M., 1: 128, 131; 2: 268
(56), 269 Brown, B. A., 3: 209 (44, 45), 211 (44, 45); 4: 58 (10)
Brown, B. E., 4: 189 Brown, D. E., 4: 188 (86), 191, (37) Brown, E. D. W., 5: 441 Brown, F., 2: 13 (402), 44, 45, 120, 121 Brown, F. M., 5: 292

Brown, H. B., 3: 199 (46), 205 (46) Brown, H. P., 4: 404 (17)
Brown, J. G., 1: 416; 2: 503 (8)
Brown, N. A., 1: 412 (12), 415 (12); 2: 440, 444, 445, 446, 448, Brown, W., 2: 236; 3: 213 (47), 559; 4: 168, 170, 171 (16, 19), 172, 173 (13, 14, 15), 174, 476, 487, 492 Brown, W. A., 4: 645 Brown, W. H., 1: 336; 2: 99 Brown, W. R., 1: 251, 252; 5: 536, 539 Browne, C. A., Jr., 4: 149 Browne, I. M. P., 1: 383, 427; 3: 570, 577 Broyer, T. C., 2: 290 (44), 299; 3: 101 (79), 103 (79), 314 (45); 5: 483, 531 Bruchmann, H., 5: 434, 447 Brückner, É., 1: 39 Brudny, V., 4: 96 Brüll, M., 5: 221 (56) Brunel, A., 4: 155 (29) Bruner, W. E., 3: 195 (404, 405) Brunkman, A. H., 5: 182 Brunson, A. M., 2: 507 (82), 510 (83), 521 (82) Bruschetti, C., 1: 502 (11) Bruschi, D., 3: 529 Bruson, H. A., 3: 539 (28) Bryan, A. A., 2: 507 (109, 110), 521 (109, 110) Bryan, K., 1: 39 (8) Bryan, M. K., 1: 407 (18), 408 (17) Bryan, O. C., 2: 179; 4: 187 (3), 189, 193 (16) Bryant, A. E., 3: 319 Bucek, J., 3: 628
Buch, H., 5: 61, 66, 67, 68, 69, 88, 89
Buchanan, R. E., 3: 205 (48), 215
(48), 216 (48); 4: 476 (13)
Buchenau, F., 4: 35, 602 (50) Bucherer, H., 3: 214
Buchholtz, W. F., 2: 517 (9)
Buchholz, J. T., 1: 194; 5: 33 (24-26) Buchner, P., 1: 455, 458 Bucholtz, I., 4: 592 Buck, J. B., 3: 243; 5: 574, 575, 598 Buckner, G. D., 2: 420 Budde, A., 1: 125 Buddin, W., 4: 404 (18) Buder, J., 2: 352 (6); 5: 459, 461

Bugnon, P., 1: 82 (13, 15), 86, 93 (16)Buhay, G. G., 1: 3 (51), 5 (51) Buhr, B., 4: 399 (20) Bukatsch, F., 2: 457 Bull, H., 5: 184 (56), 187 (56) Bull, H. B., 3: 537 Buller, A. H. R., 1: 457; 4: 397, 398 (21), 399 (21, 23), 419 (24), 480, 483, 632, 646, 647 Bungenberg de Jong, H., 2: 480 (14). 481 (13); **4**: 470 Bünning, E., **3**: 180, 621; (51*a*), **5**: 359, 671, 672, 675 3: 180, 621; 4: 595 (31a), 3: 359, 671, 672, 675 Bunsen, R. W., 2: 3 Burck, W., 4: 24, 26, 27, 35, 43 Burd, J. S., 3: 203 (49a), 326 (13), 327 (13), 328 (14); 4: 589 Burge, E. L., 2: 41 Burge, W. E., 2: 41, 180 (117); 3: 108 (23) Burgeff, H., 1: 272, 286 (21); 3: 218, 621, 623; 4: 477 (16, 17), 478, 484, 491 (16, 17), 493 (17), 585 (53), 595 (53) Sys (53)
Burgerstein, A., 4: 266, 267
Burgess, P. S., 3: 200 (51)
Burgevin, H., 2: 175 (43); 3: 211 (52), 218 (52); 4: 412 (47, 48, 49)
Burk, D., 3: 213 (54), 216 (53), 218 (54, 55), 219 (54), 292, 366, 371, 382, 386 (23), 387 (23)
Burke, E., 4: 188
Burke, C. D., 2: 590 (10) Burke, O. D., 2: 590 (10) Burke, V., 4: 107 Burkhart, L., 3: 131 Burkhild, H. J., 5: 289 (26) Burkholder, P. R., 2: 1, 97; 3: 158, 161 (25); 4: 590 (54), 594 (54); 5: 480, 481, 659, 663, 668 (24) Burkholder, W. H., 1: 407 (20), 411, 412 (21) Burmester, H., 3: 204 (56) Burnett, L. C., 2: 507 (10), 515 (84) Burnham, C. R., 1: 296 (20, 21), 297, 298 (23, 24, 25), 308 (22), 311, 315; 5: 30 (27) Surns, G. R., 1: 363 (23), 364 (25), 370 (24); 2: 4 (64) Buromsky, I., 5: 214 (25), 215, 216 (25), 217 (25) Burr, G. O., 1: 361; 2: 39 (321); 3: 625 (22) Burrell, A. B., 2: 588 (19) Burri, R., 4: 634, 635, 647 Burström, H., 2: 289 (86), 290 (87); 3: 91 (117) Burtt, B. L., 3: 602, 604 Bushnell, J. W., 3: 375; 4: 606 (54a)

Bushnell, O. A., 3: 377 (28)
Busse, I., 4: 240
Buston, H. W., 2: 484, 487
Butenandt, A., 3: 631
Butkewitsch, W., 3: 91, 92 (26), 103
(26), 139 (26); 4: 145 (30, 31, 32, 33), 146 (34); 5: 216 (30), 218
(27), 219 (28), 220 (30)
Bütschli, O., 1: 18; 4: 90
Buxton, B. H., 3: 15
Buy, H. G. du, 1: 168 (9), 171 (10), 177 (11), 172 (9); 2: 143 (65)
Byers, H. G., 2: 373 (9), 375, 376, 378, 381, 382, 387, 389, 391, 392, 393 (9), 593 (20)

C

Caesar, L., 1: 460 (56)
Cahn, F. J., 4: 144 (35)
Cain, S. A., 3: 448; 4: 56 (11), 63, 73 (12), 75; 5: 548, 555 (12), 627
Cajander, A. K., 5: 182
Cajlachjan, M. Ch., 3: 265, 266, 270, 271, 272; 4: 594 (55), 595 (55), 598 (56, 58, 59), 599, 600, 601 (58)
Caldis, P. D., 1: 449 (12, 13)
Caldwell, J., 3: 63; 4: 551 (30), 554 (29), 560 (27, 28, 29), 564 (29), 564, 603; 5: 472, 476, 477, 478
Calfee, R. K., 2: 178 (86, 87), 181 (84), 184 (85); 4: 185 (80); 5: 214 (78), 220 (79), 221, 229 (79) 338
Callenbach, J. A., 2: 511 (14, 15), 516 (14, 15)
Callender, H. L., 4: 534
Calmette, A., 4: 152, 154
Calvett, A., 3: 522
Calvino, E. de, 4: 34
Camara, A. de Souza, 5: 3, 25 (28), 574, 577
Cameron, C. A., 2: 384
Cameron, G. M., 4: 97
Cameron, G. M., 4: 97
Cameron, S. H., 4: 592 (63)
Camp, A. F., 2: 185 (113), 186 (23); 4: 194 (97)
Camp, J. P., 4: 195 (6, 7)
Camp, W. H., 4: 503, 504, 586, 587 (64, 65)
Campanile, G., 4: 436
Campanile, G., 4: 436
Campanile, D. H., 1: 383 (10), 385, 441, 442; 2: 53, 580 (9, 10, 11); 3: 466, 467, 473, 588 (7); 4: 450, 460; 5: 80, 354
Campbell, E. G., 3: 103
Campbell, R. S., 4: 66, 70; 5: 173, 177

Camus, A., 3: 600 Camus, A., 3: 600
Candolle, A. P. de, 1: 86; 3: 203; 4: 9, 235, 242; 5: 99, 155, 656, 658
Canella, M. F., 4: 584 (66)
Canfield, R. H., 4: 70
Cannon, W. A., 2: 18; 3: 195 (59), 209 (58, 59), 213 (58), 315 (15), 319 (16); 5: 555 (14)
Capelletti, C., 3: 213 (60-64)
Capellini, G., 2: 71 (2) Capellini, G., 2: 71 (2)
Capinpin, J. M., 2: 342; 3: 252
Capus, J., 1: 499 (14), 503 (14)
Carano, E., 2: 573 (8) Carbone, D., 3: 213 (65) Carlson, J. G., 3: 253; 5: 567, 574, 575, 595, 614 Carne, W. M., 4: 189 Carne, W. M., 4: 189
Carolus, R. L., 4: 189
Carothers, E., 5: 592
Carothers, W. H., 1: 28
Carpenter, D. C., 3: 246 (12)
Carpenter, I. P., 5: 275
Carpenter, J. R., 3: 449
Carpenter, P. H., 5: 286, 287
Carr, J. M., 4: 188 (96), 191 (96) Carr, J. M., 4: 188 (96), 191 (96) Carré, M. H., 2: 485, 486, 488 Carrel, A., 2: 419, 420, 421, 423, 428 (15), 429, 430 Carrero, J. O., 4: 188 Carroll, W. R., 3: 371 (29), 375, 376 Carsuthers, W., 4: 265, 266 Carse, H., 3: 596 Carsner, E., 1: 9: 4: 559 (31), 568 (31); 5: 245 (8), 265 Carter, J. C., 4: 165, 476, 479 Carter, J. E., 1: 501 (44) Carter, W., 4: 135 (3) Carter, W., 1: 454, 460; 5: 243 (10), 264, 273 Cartledge, J. L., 5: 4 (21, 29), 30 Cartledge, J. L., 5: 4 (21, 29), 30 (21)Caspersson, T., 5: 19, 578, 586, 605, 615 Castellani, E., 3: 506 (6) Castle, E. S., 2: 4 (69), 108, 109 (67, 69, 70), 111 (68), 143 (70); 5: 662, 671, 675 OO2, 0/1, 0/5
Castle, W. E., 1: 240; 4: 583 (67)
Castoro, N., 3: 90 (227)
Catcheside, D. G., 2: 342; 3: 242, 246; 5: 10, 27 (33), 29 (33), 32 (31), 33 (32), 574, 575, 585
Catheart, C. S., 3: 205 (341), 210 (341)Catoire, M., 5: 227 Cattell, W., 5: 22 (34) Causey, D., 2: 86 (5, 6), 92 (5) Cauvet, M. D., 3: 198 (66), 200 (66), 203 (66)

Chevalier, A., 3: 599

Cavara, F., 2: 441 Cave, M. S., 5: 580 Cavers, F., 2: 54 (14), 57 (14), 59 (14), 60; 5: 76 Cayley, D. M., 4: 165 (20, 21), 398 (25), 399 (25), 401 (26), 479, 487 Cecco, M. de, 2: 13 Cecco, M. de, 2: 13
Celakovsky, L., 5: 116, 126
Cepikova, A. R., 4: 595 (424)
Chabrolin, C., 1: 499 (15)
Chabry, H., 4: 640, 643, 644
Chadefaud, M., 5: 361
Chadwick, L. C., 2: 122 (267), 138
Chailakhian, M., 2: 10, 36 (74), 42
(74), 127, 137 (71), 140
Challenger, F., 4: 156 (39)
Chamberlain, C. J., 1: 19 (6), 183;
3: 76; 4: 220, 563
Chamberlin, T. C., 5: 158, 159 Chamberlin, T. C., 5: 158, 159 Chambers, R., 2: 304, 537 (11); 3: 17, 19, 20, 22; **4**: 638, 639, 641, 643, 644, 649; **5**: 353 Chambers, W. H., 2: 424, 426, 428; 4: 172 Chandler, C., 4: 286 Chandler, M. E. J., 2: 399 (52, 16, 53), 400; 4: 373 Chandler, W. H., 2: 186, 188 (24); 3: 100, 157 (28), 310 (46); 4: 193, 194 (22, 23, 24, 25) Chaney, R. W., 2: 399 (17); 4: 371 Chang, C. Y., 5: 399, 400, 409, 416, Chang, T. M., 4: 641 Chapman, A. G., 3: 205 (67, 68), 217 (68); 4: 503, 504 Chapman, C. W., 2: 183 Chapman, M., 5: 101 Charles, D. R., 5: 584 Charles, J. H. V., 4: 149 (14), 150 (16), 154 (41) Charles, V. K., 1: 501 (69); 4: 404 (29, 27), 417 (27) Chase, A., 4: 31 (15), 33, 34 Chatin, A., 4: 419 (30) Chatton, E., 2: 91 (7) Chaudhuri, H., 2: 247 Chauveaud, G., 5: 399, 400, 405, 409, 416, 417, 418 Chaze, J., 4: 416 (31, 32) Cheel, E., 3: 596 Cheema, G. S., 1: 503 (112) Chemin, E., 1: 146; 3: 200 (69) Chesley, L. C., 2: 48 Chesnokov, B., 1: 362 Chester, F. D., 4: 105 Chester, K. S., 1: 12, 415; 2: 274; 3: 11, 213 (70), 502, 504, 506, 507, 511

Chiarugi, A., 2: 565, 567, 568, 570, 580 Chibnall, A. C., 3: 92 (71), 93, 94, 95, 100 (31, 32), 103 (30), 104, 141 (30, 36), 144; 5: 537, 538 Chick, H., 3: 628 Chih, Tu, 3: 609 Chilh, 1u, 3: 609
Childs, L., 1: 450; 5: 293
Chipp, T. F.,1: 225; 4: 52, 60, 61; 5: 194 (122), 199, 549 (65)
Chippindale, H. G., 4: 58
Chittenden, R. J., 1: 239 (10); 3: 545 (8), 554, 555, 556; 4: 126
Chizaki, Y., 1: 471 (10), 483
Chodat, F., 1: 361 (26); 2: 17 (76)
Chodat, R., 4: 511 (23): 514 (23): Chodat, R., 4: 511 (23); 514 (23); 5: 436 Chodzicki, E., 3: 204 (71) Cholnoky, B., 1: 152 (5, 6), 153, 155, 159; 5: 362, 363 Cholodny, N., 1: 168 (12), 174 (12); 3: 179, 184; 5: 22 (36), 663, 673 Chona, B. L., 2: 253 (25) Chouard, P., 4: 604 Chouchak, M. D., 2: 51 (77); 3: 196 (294)(294) Christensen, C., 1: 451 Christensen, C. L., 4: 351 Christensen, J. J., 1: 125, 130; 4: 167 Christian, M. I., 4: 103 Christian, W., 2: 41 (569); 3: 631 Christiansen, M. 5: 132 Christiansen, M., 5: 132 Christie, J. R., 4: 434 (14) Christoff, A., 1: 407 (23) Christoff, A., 1. 407 (23)
Christopherson, E., 1: 221
Chroboczek, E., 2: 38, 128, 139 (79),
141 (79); 3: 267; 4: 596 (69)
Chrysler, M. A., 1: 188
Chrzaszcz, T., 4: 140 (43), 146, 148;
5: 218 (31), 226
Chr. Chien Page 4: 544 Chu, Chien-Ren, 4: 544 Chu, Chien-Ren, 4: 544
Chucka, J. A., 4: 189
Chupp, C., 2: 517 (17); 3: 283
Church, A. H., 1: 384 (11, 12), 385, 386; 5: 54, 55, 58, 59
Church, M. B., 4: 477 (67)
Churchman, J. W., 4: 96, 107
Churchward, J., 4: 4
Churney, L., 5: 587, 588
Chute, H. M., 5: 100, 112 (16)
Ciesler, A., 4: 247 Ciesler, A., 4: 247 Ciferri, R., 1: 125 Ciuca, M., 3: 501, 513 (12) Clapham, A. R., 1: 92, 93; 2: 226 (9), 229; 4: 64, 65 Clara, F. M., 1: 408 (25), 411 Clark, A. B., 4: 172 (119) Clark, D. G., 3: 392

Clark, F. J., 5: 590
Clark, G. L., 1: 61, 63 (7), 64, 359 (27); 3: 101 (39), 102 (37), 122 (37, 38), 124 (37), 139, 140, 141, 142, 144, 145, 312 (17); 4: 590, 604 Clark, J. F., 2: 243; 4: 168, 172 (25) Clark, N. A., 2: 185 (26, 27); 3: 218 (72, 73, 75, 76, 77), 219 (74) Clark, P. F., 4: 85, 88, 101 Clark, R. H., 2: 42 (80) Clark, W. G., 5: 481, 676 Clarke, A. E., 2: 269 Clark, W. G., 5: 481, 676
Clarke, A. E., 2: 269
Clarke, S. E., 5: 172
Clausen, J., 1: 104, 111, 112, 239
(12); 3: 340, 411, 412, 413, 598
Clausen, R. E., 2: 198 (12), 202
(11); 5: 28 (37)
Clausen, E., 1: 241 (11)
Claussen, H., 1: 145
Clayborn, H. V., 4: 416 (44)
Clayton, E. E., 1: 411; 2: 250, 259
(28), 517 (11, 12); 4: 170; 5: 302
(182, 183) (182, 183) (182, 183)
Cleland, R. E., 2: 316
Clement, H., 5: 231 (32)
Clements, E. S., 3: 210 (78)
Clements, F. E., 1: 212 (12), 219, 225, 358 (29), 362 (28), 363 (28); 2: 117, 222; 3: 210 (78); 4: 51 (18), 60, 61, 71, 74, 75, 392 (22); 5: 157, 158, 159, 181, 194, 546 (73), 547 (73), 548, 553, 554
Clements, H. E., 3: 100 (40)
Clements, H. F., 3: 49, 52, 323 (18); Clements, H. F., 3: 49, 52, 323 (18): 5: 496
Clemmer, H. J., 1: 124 (85)
Cleveland, L. R., 5: 610, 615
Clifford, A. T., 1: 60
Clinch, P., 4: 552 (32), 553
Cliquet, R., 5: 211 (33)
Clokey, I. W., 1: 296 (4), 297
Clopper, C. J., 5: 515
Clowes, G. H. A., 1: 19 (8), 20, 21
Clute, W. N., 3: 467, 469, 472
Clutterbuck, P. W., 4: 140 (45), 148 (47), 153 (47), 154 (47), 155, 488, 490 (21)
Cobb. F., 2: 318 Cobb, F., 2: 318 Coblentz, W. W., 2: 11 (516) Coblentz, W. W., 2: 11 (516)
Cockayne, L., 3: 595, 603, 604, 605, 606, 607, 608; 5: 547
Cocke, E. C., 1: 49 (9); 2: 67 (10); 5: 628, 634, 636, 644
Cockerham, G., 5: 420
Codur, J., 5: 231 (34)
Cohn, F., 3: 2; 4: 83, 88, 95, 102, 505 (42)
Cohen, T. 5: 582 Cohen, I., 5: 588 Cohen, N. H., 3: 539 (32)

Cohen-Stuart, C. P., 5: 283 Cohen-Stuart, C. P., 5: 283 Coker, W. C., 4: 264 Colby, H. L., 3: 319 (19) Cole, J. R., 4: 194 (2) Cole, K. S., 2: 291 (24, 25, 26, 27) Cole, W. H., 2: 4 (88) Coleman, J. M. 2: 181 (28) Coleman, J. M., 2: 181 (28) Coleman, J. M., Z: 181 (28)
Colin, H., 3: 558
Colla, S., 2: 9, 137
Collander, R., 2: 288, 295, 298 (28);
3: 313 (20, 22), 317 (21)
Collins, G. N., 2: 206 (13); 5: 14
(38), 22 (38), 511, 512
Colson, B., 4: 399 (33), 400
Colvin, M. G., 3: 509 Colvin, M. G., 3: 509 Colwell, H. A., 5: 12 (39), 23 (39), 25 (39) Comber, N. M., 5: 189 (21) Combes, R., 2: 420; 3: 94 (41); 4: 591 Comparetti, A., 4: 498 Compton, A. H., 5: 7 (40), 8 Compton, R. H., 4: 298; 5: 552, 553 Condon, E. U., 5: 11 Conklin, E. G., 1: 19 (9), 31; 4: 114; 5: 140 588 Conklin, E. G., 1: 19 (9), 31; 4: 114; 5: 140, 588 Conklin, M. E., 3: 375, 376, 377 (31) Conn, H. J., 3: 72; 4: 105, 584 (74) Conner, S. D., 2: 182 (29, 30) Conners, I. L., 2: 501, 503 (34) Connors, C. H., 3: 326 (8) Conrad, J. P., 3: 125, 196 (79), 198 (79), 199 (80) Conwentz, H., 2: 400 (17A) (17), 199 (80) Conwentz, H., 2: 400 (17A) Cook, A. C., 4: 70 (47) Cook, H. T., 2: 511 (14, 15), 516 (14, 15) Cook, M., 4: 644 Cook, M. T., 2: 256 (29); 3: 197; 4: 168, 552 (33, 34, 35), 553, 569 108, 552 (33, 34, 35), 553, 569 (36); 5: 290 Cook, O. F., 4: 14 (13), 16 (12) Cook, W. S., 5: 281 Cookson, I. C., 1: 392 (45), 393; 2: 405 (47, 18A); 3: 574, 578, 580 Cooley, J. S., 4: 172 (29), 430, 432, 433 (8) Coons, G. H., 2: 518; 3: 504, 510, 512; 4: 185, 571 (87); 5: 342, 344, 345 Cooper, D. C., 1: 296 (27), 303; 2: 573 (14) Cooper, G. H., 4: 5 Cooper, H. P., 2: 187 (31); 4: 189, 192 (28), 193 (28) Cooper, J. R., 4: 594 (75) Cooper, K. W., 5: 585, 601, 613

Cooper, W. C., 2: 291 (30), 295, 300 (31); 5: 484, 669 (33) Cooper, W. S., 1: 38 (11), 42, 228; 5: 198 Cooperrider, C. K., 5: 193
Copping, A., 3: 618
Corbet, A. S., 3: 216
Corey, H. I., 5: 599
Cornaille, F., 1: 440
Cornelli, E., 1: 500 (17)
Cornil, V., 2: 448
Correns, C., 1: 238 (13), 239 (14, 15), 240, 241, 242, 269, 274 (24), 278, 279 (23); 2: 142 (84); 4: 115, 278, 279, 280, 285, 290, 310, 327, 341, 343, 344, 346, 359, 582 (77), 583 (77), 591 (76), 598 (77), 600, 601, 602 (77); 5: 435
Correns, E., 2: 490 (20)
Corsin, P., 4: 218
Corti, B., 3: 1 Cooperrider, C. K., 5: 193 Corti, B., 3: 1 Corte, B., 3: 1 Cory. V. L., 4: 64 Costantin, J., 3: 213 (81); 4: 402 (36, 37), 404 (35), 417 (36), 419 Costello, D. P., 5: 142 Cotter, R. U., 1: 121, 131, 457 (71), 499 (19), 500 (19) Cotterell, G. S., 5: 287 (48) Cotterell, G. S., 5: 287 (48) Cottle, H. J., 4: 70 Cotton, M., 2: 188 Couch, G. C., 5: 628, 644 Coulson, C. A., 5: 12 (162), 18 (162) Coulson, J. G., 2: 503 (16) Coulter, J. M., 4: 563 Coupin, H., 2: 8 (85), 101; 3: 197 (84), 586; 5: 225 Courchet, M. J., 4: 521 Coutière, H., 4: 586 Cowan, E. W., 3: 327 Coward, K. H., 2: 42 (87) Cowdry, E. V., 3: 7, 8; 5: 355 Cowles, H. C., 2: 222, 225 Cowles, P. B., 3: 508, 514 (24, 25) Cox, G. A., 3: 517 Cox, J. A., 5: 293 Cox, J. A., 5: 293
Crabill, C. H., 1: 344; 4: 172 (30)
Craddock, G. W., 5: 175 (24)
Crafts, A. S., 3: 60, 61; 4: 570 (38, 39, 40), 571 (38, 39, 40); 5: 375–381, 383–386, 388, 389, 391, 393, 396, 400–403, 405, 407, 410, 416, 420, 424, 471 420, 424, 471 Crafts, E. C., 5: 171 (25), 177 Craigie, J. H., 1: 457; 2: 248; 4: 641, Cramer, C., 4: 517 Crandall, F. K., 2: 182 (115); 3: 200 (85)Crane, H. L., 2: 186 (35)

Crane, M. B., 3: 557; 4: 284, 341, 342 Cranner, H. B., 1: 71 Crawford, A. C., 2: 375 Crawford, R. F., 5: 309 Creighton, H. B., 1: 296 (28), 298 (28), 299 (28), 302 (30), 303; 5: 28 (42), 29, 481 28 (42), 29, 481 Creighton, M., 5: 566 Crenshaw, J. H., 4: 430 Crevost, Ch., 4: 418 (40) Cribbs, W. V., 5: 173 (132) Crocker, W., 3: 188; 4: 235 Cromer, H., 4: 590 (79) Crookall, R., 1: 397 (13); 2: 406 (18)Crooks, D. M., 5: 417 Crosby, 1: 506 (20): 2: 517 (17) Crosier, W., 1: 504 (21, 22) Cross, G. L., 5: 459 (9, 10, 11), 457 (9, 10), 462Crossman, L., 4: 434 (14) Crowther, J. A., 5: 11, 12 Crozier, W. J., 1: 254; 2: 4 (88); 3: 8, 10, 15 Cuatrecasas, J., 3: 596 Cubbon, M. H., 3: 197 (86) Cuboni, G., 2: 441; 4: 404 (41) Cugini, G., 5: 224 (37) Cugnac, A., 3: 600 Culley, M. J., 4: 70 Culpepper, C. W., 3: 104 (43) Cunningham, G. H., 1: 343, 344 Cunningham, H. S., 2: 255 Curie, P., 5: 11 (45) Currence, T. M., 4: 602 (80) Currie, J., 4: 171 (31, 32), 172 (31, Currie, J. N., 4: 142, 144, 145; 5: 224 Curtis, H. J., 2: 284 Curtis, K. M., 2: 248 Curtis, N. M., 2: 248
Curtis, O. F., 2: 21 (89); 3: 47, 48, 49, 56, 61, 64 (3), 65, 101, 322 (23), 323 (23); 4: 534, 543; 5: 471, 488, 496, 497
Curtis, W. M., 4: 602 (81) Czaja, A. T., 1: 57, 59, 65, 70; 2: 135; 5: 364 Czapek, F., 3: 51, 52, 56, 66, 67 (10), 183, 186, 201 (87), 196, 197, 198 (89); 4: 95 Czech, H., 2: 421 Czeczoltowa, H., 3: 607 Czepa, A., 5: 22 (249) Czibulka, F., 3: 196 (275) Czurda, V., 4: 584 (82) Dachnowski-Stokes, A., 1: 48, 49 (13)Dagys, J., 3: 628

Dahl, O., 3: 425 Dahlgren, K. V. O., 2: 570, 575, 577 (15, 16), 578, 579; 4: 116, 522, 585 (83), 587 (83) Daines, R. H., 4: 166, 173, 174 (33), Daines, R. H., 4: 166, 173, 174 (33), 479 (22), 488
Dale, E., 2: 420
Damon, E. B., 2: 291, 292; 3: 20
Damon, S. C., 3: 197 (276), 200 (159, 276), 206 (276)
Dandeno, J. B., 3: 197 (90)
Dangeard, P. A., 2: 85 (9), 87 (10, 12), 88 (8, 10, 12), 89 (11); 3: 3, 4, 6, 8, 15-18; 4: 90
Daniel, H. A., 3: 204 (91)
Daniel, L., 2: 127
Daniels, L. B., 5: 308 (49), 309, 310 Daniels, L. B., 5: 308 (49), 309, 310 Danser, B. H., 3: 610 Darbishire, F. V., 2: 136 (543); 3: 15 Darken, M., 5: 496 Darken, M., 5: 496
Darkis, F. R., 1: 500 (126)
Darling, C. A., 4: 583 (83a)
Darlington, C. D., 2: 197, 198 (16), 330, 342, 532 (13, 15, 16), 534, 535 (16), 536 (13, 16), 537 (16), 538 (12), 539, 540, 542 (16), 544, 545; 3: 241, 245 (17), 247, 254 (19), 256; 5: 563, 566, 580, 582, 590, 593, 595, 597, 600, 611, 613, 614 595, 597, 600, 611, 613, 614 Darlington, W., 4: 417 (42) Darnell-Smith, G. P., 2: 499 Darrow, G. M., 1: 358; 2: 120 (92); 3: 267 Darrow, M. A., 3: 81 (4)
Darrsie, M. L., 5: 655 (34)
Darwin, C., 2: 396; 3: 2, 23, 182, 190;
4: 24, 26, 29, 30, 32, 35, 37, 43, 261, 277, 278, 280, 359; 5: 656, 657, 669 669
Darwin, F., 3: 175
Das Gupta, S. N., 5: 345
Dastur, R. H., 1: 262, 263, 265; 3: 121 (45, 46), 126 (46)
Davenport, G. E., 3: 463
Davidson, O. W., 3: 102 (47, 48), 105 (47), 113, 139, 142 (48)
Davidson, R. W., 4: 478
Davie, R. C., 1: 438 (13)
Davies, D. W., 2: 184 (33); 4: 190
Davies, J. G., 4: 64, 71 (24)
Davies, L. E., 2: 183 (34) Davies, J. G., 4: 64, 71 (24)
Davies, L. E., 2: 183 (34)
Davies, P. A., 2: 126 (94)
Davies, Wm., 3: 206 (93); 4: 62, 64,
65 (26, 28), 66
Davies, W. L., 3: 93 (49), 111 (49), 145 (49) Davis, A. R., 2: 18, 115, 285 (45, 46, 49), 293, 294, 295; 3: 8, 11, 15, 101

(79), 113, 126, 216 (112), 313 (38, 39), 317 (38), 320; 4: 408 (99), 409 (99), 416 (43, 43a, 44); 5: 531 Davis, B. M., 2: 236, 341, 342 Davis, E. A., 3: 114 (292) Davis, E. F., 3: 197; 5: 474 Davis, G. E., 2: 3 (274), 16 (274) Davis, J., 3: 622 (17) Davis, J., 3: 022 (17)
Davis, R. J., 4: 170
Davis, T. A. W., 5: 187
Davis, W. E., 4: 263; 5: 198
Davis, W. H., 4: 628
Davy, J. B., 5: 165, 190 Dawson, A. B., 5: 587 Dawson, G. T., 2: 504 (20) Dawson, M. L., 5: 105
Dawson, P. R., 4: 189
Daxer, H., 1: 360 (32), 361 (32), 363, 364 (32), 365 (32), 367 (32)
Day, D., 4: 186 (30) Dearborn, C. H., 4: 185 (31) Dears, M. E., 2: 24, 130, 133 Debaisieux, P., 4: 104 De Bary, see Bary Deevers, C. L., 4: 212 (15), 220, 223 Deevey, E. S., 5: 629 Defries, A. D., 4: 417 (46) Degelius, G., 3: 426, 428, 432, 433, 438 De Haan, H., 1: 239 (38); 2: 175 (49), 183 (48) (49), 163 (46) Dehnecke, C., 5: 132, 134 Deijs, W. B., 4: 154 (82) Deinega, V., 2: 355, 357 (7) De Jong, J. K., 5: 283, 284, 285, 287 Delage, B., 2: 591 (21) Delaunay, L., 5: 28 (46), 32 (46), 33 (46) Delavan, C. D., 4: 242 Delbrück, M., 5: 8 (308), 12, 27 (306)Delden, van A., 2: 490 Deleano, N. T., 3: 202, 203; 4: 591 Deletang, R., 4: 107 Dellingshausen, M. von, 4: 124 Del Guidice, E., 2: 589 (22)
Del Long, D. M., 5: 275, 302 (54, 56)
De Long, W. A., 2: 590 (23)
Delves, E., 4: 86
Delwiche, E. D., 5: 537
Demarce, J. B., 1: 408 (71); 2: 186 (35)Demaret, F., 2: 487 (8) Demaret, F., 2: 487 (8)
Demerec, M., 1: 233; 3: 549 (11);
4: 585 (312); 5: 5 (48), 13, 27
(47), 28 (48), 574, 575, 578, 601
Demkovskii, P. I., 2: 41; 4: 595 (85)
Demmler, F. P., 5: 333
Demolon, A., 3: 196 (96), 214 (96),

379, 503, 504 (26), 507 (26), 513 (26), 515, 517; 4: 412 (47, 48)
Dempster, E. R., 5: 17 (325)
Denecke, W., 5: 669 (36)
Deni: J. P. 5: 132 Denis, J. B., 5: 132 Dennis, R. W. G., 1: 503 (24); 2: 176 (114a), 505 (90); 4: 185 (31, 32), 186, 195 (33) Denny, F. E., 2: 42 (99), 128; 3: 94 (52), 100 (51) Dent, K. W., 1: 262, 263 De Ong, E. R., 2: 591 (24) Dermen, H., 2: 534 (20) De Rossi, G., 3: 214 (97, 100), 215, 216, 369 Desai, M. K., 2: 510 (129), 513 (129) Desai, R. M., 1: 262, 263, 265 Desrue, A., 2: 595 (25, 26) Desveaux, R., 3: 104 (108), 105 (108); 4: 156; 5: 334 De Tomasi, J. A., 3: 253 Deton, W., 2: 448 Deton, W., 2: 448
Devore, L., 5: 18 (49)
De Vries, H., 1: 234 (64), 239 (64), 240; 2: 316 (98-101), 317 (102-106), 319; 3: 2, 3, 7, 12, 19, 23, 51, 534; 4: 522; 5: 377
Dexter, S. T., 1: 358 (35), 367 (33, 34); 5: 539
Dhar, N. R., 3: 216, 370
Dhéré, C., 2: 11 (100)
D'Herelle, F., 1: 416; 3: 499, 501, 502, 505, 508, 513, 516
Dick, J., 4: 591 Dick, J., 4: 591 Dickinson, S., 4: 628, 641, 647, 648, 649, 651 649, 651
Dickson, A. D., 1: 507 (27); 2: 24
(216), 224 (35)
Dickson, B. T., 4: 552, 553
Dickson, J., 1: 82, 83, 84, 85; 5: 101
Dickson, J. G., 1: 497 (56), 507
(27); 2: 224 (35), 250, 257, 259
(34, 36), 499 (71), 500 (71)
Diehl, W. W., 4: 404 (50)
Diehm, R. A., 4: 411 (154)
Diels, L., 3: 594
Dietrich, F., 5: 358
Dietrich, K., 2: 420
Diettert, R. A., 5: 459 (12), 462 Diettert, R. A., 5: 459 (12), 462 Dietz, S. M., 1: 125, 126 Dieuzeide, R., 5: 289 Digby, L., 3: 476; 5: 433, 436, 439, 442, 445, 447, 448, 449

Dijkman, M. J., 1: 168 (14), 170

(14); 3: 183; 5: 664 Dijkstra, S. J., 5: 495 Dikussar, I., 3: 109, 120 (53, 54), 121, 146, 147

Dillenius, J. J., 4: 21, 40, 43 Dillewijn, C. van, 2: 108 Dillman, A. C., 3: 204 (17); 4: 247, 265 Dillon, R., 4: 167, 174 (172) Dillon-Weston, W. A. R., 1: 501 (28, Dimock, A. W., 5: 216 (39) Dimtza, A., 3: 514 (41) Dingler, H., 5: 455 (13, 14), 456, 458, 459 Dischendorfer, O., 4: 516 (28, 29), Distaso, A., 4: 91 Dittrich, W., 3: 105 (55), 106, 109 (55), 112, 113 Diver, C., 4: 113 Divine, F. W., 4: 398 (127), 417 (127)Dix, E., 3: 210 (102); 4: 223, 595 (86)Dixon, H. H., 1: 20, 21; 2: 146; 3: 52, 56; 5: 471, 488, 533, 534, 537, 538, 539, 540 Dixon, L. F., 1: 500 (126) Diaparidze, L. I., 4: 587 (87) Dobbie, H. B., 3: 462, 463, 470 Dobbs, A. C., 3: 199 (103), 211 (103), 215 (103)
Dobell, C. C., 4: 90, 100, 104, 498
Dobroscky, I. D., 5: 240 (16), 241 (17), 254, 262 (14) Dobrunov, L. G., 3: 204 (104); 4: 590 390 Dobzhansky, T., 3: 346; 4: 582 (89); 5: 4, 5 (54), 30 (52, 53, 55), 33 (54), 580, 581, 582 Dodd, D. R., 3: 214 (105) Dodge, B. O., 1: 334, 335, 336, 343; 4: 169 4: 169 Dodoff, D. N., 1: 122, 123 Dokturowsky, W. S., 1: 40 Doladilhe, M., 2: 594 (17) Dolgushin, D. A., 2: 35 Dolid, J., 3: 539 (102) Dolk, H. E., 1: 163 (65), 166 (67), 167 (15), 170 (16); 3: 183; 5: 663, 664 664 Dollfuss, H., 4: 604 Donnotovitsch, M., 3: 201 (106), 205 (107, 108), 206 (107, 108) Donnelly, I., 4: 3 (16) Doolittle, S. P., 4: 552; 5: 255, 257, 258, 259 Dooren De Jong, L. E., 3: 514 (32) Doposcheg-Uhlar, J., 3: 478, 479, 480, 491 Döpp, W., 5: 444, 448 Doran, W. L., 2: 591 (45)

Dore, W. G., 4: 64 Dore, W. H., 1: 27 (51); 2: 482 (22); 4: 184 (22); 4: 184
Dorety, H. A., 1: 188
Dorf, E., 1: 389 (14), 390 (14), 393 (14); 4: 373 (29), 388 (28)
Döring, H., 3: 59 (15); 5: 352
Doroshenko, A. V., 2: 105, 125 (106), 130, 136 Dörries-Ruger, K., 1: 282 (25); 4: 117 117
Dorsey, M. J., 4: 594
Doryland, C. J. T., 3: 198 (109)
Dostál, R., 1: 175
Doty, H. A., 4: 641, 646
Douglas, G. E., 5: 101
Douglas, S. R., 4: 91
Douglass, A. E., 1: 196; 5: 198
Douin, C., 1: 274 (26); 5: 66, 81, 82
Douliot, H., 5: 455 (15), 456, 458, 459, 463 459, 463 Doutreligne, J., 4: 505, 510, 514 Dowding, E. S., 1: 82, 457 Down, E. E., 4: 563 Down, E. E., 4: 563
Downie, D. G., 1: 189
Downing, L. R., 4: 400
Dowson, W. J., 1: 501 (110)
Dox, A. W., 4: 148 (52), 168, 170, 171 (39), 173
Doyle, J., 1: 197; 5: 139
Drabble, E., 5: 540
Drabble, H., 5: 540
Draize, J. H., 2: 373 (12), 375 (5), 380 Drake, C. J., 1: 3 (17); 4: 561; 5: 241 (19), 477
Draper, P., 5: 628, 631
Drawert, H., 5: 353, 357, 358, 359, 586 586
Drayton, F. L., 4: 419 (51)
Drechsel, O., 5: 658
Drechsler, C., 4: 481
Drew, K. M., 1: 146; 4: 667
Drooglever, F. C. E., 2: 103
Drude, O., 5: 549
Druery, C. T., 3: 459, 460, 462, 463, 465, 466, 467, 468, 469, 473, 476, 477, 479; 5: 441, 442
Dubinin, N. P., 5: 5 (59), 30 (58), 33 (59) 33 (59) 33 (59) Dubitzky, J., 5: 363 Du Bois, D., 4: 643 Dubosc, A., 2: 11 Du Buy, H. G., 3: 176; 5: 656, 659, 661, 664, 665 (45), 668, 671 Duclaux, E., 4: 152 (53) Dudley, H. C., 2: 381, 393 Dudley, J. E., 5: 299, 301 Dufrénoy, J., 1: 336, 339, 344; 2: 185

(36), 186, 257, 258; 3: 17, 213 (110, 111), 249 (22), 504, 507, 510 Duggar, B. M., 3: 216 (112); 4: 398 Duggar, B. M., 3: 216 (112); 4: 398 (52), 402, 403 (52), 405 (52), 406 (52), 407 (52, 53), 418 (53), 420 (53), 562, 564, 600 (92), 628; 5: 16 (60), 19 (61), 332, 477, 537, 540 Dujardin, F., 3: 1 Dulac, J., 2: 591 (11-15, 27, 28), 595 (16)Duley, F. L., 5: 192 Dulin, T. G., 3: 121 (80, 81, 82), 137 (82)Dumont, J., 3: 213 (113) Dunbar, C. O., 2: 591 (45) Duncan, D. C., 5: 18 (49) Dunegan, J. C., 2: 591 (82), 596 Ounez, A., 3: 196 (96), 214 (96), 379, 503, 504 (26), 507 (26), 513 (26), 515, 517

Dunn, F. L., 4: 640

Dunn, M. S., 4: 634, 645

Dunnewald, T. J., 5: 165 Dunnewald, T. J., 5: 165 Dunning, D., 5: 184 Dupaix, A., 4: 97, 98 Dupler, A. W., 1: 194, 198 Du Plessis, S. J., 4: 431 Dupont, C., 3: 214 (114) Durham, F., 2: 201 (39) Du Rietz, G. E., 1: 211-214, 221-226; 3: 401, 405, 406, 410, 413, 441, 443, 445, 448, 450, 606, 607, 4, 62 226; 3: 401, 405, 406, 410, 413, 441, 443, 445, 448, 450, 606, 607; 4: 62, 73; 5: 548, 552.

Durrell, L. W., 2: 268 (38)

Dutsseau, A., 1: 483

Dutky, S. R., 4: 87, 104

Dutrochet, H., 3: 1, 2

Dutt, C. P., 3: 198 (115)

Dutton, L. O., 3: 513 (35)

Dutton, W. C., 2: 588 (29, 30), 589 (30), 591 (29), 592 (29), 595 (29)

Duvel, J. W. T., 4: 235, 239

Dyakowska, J., 5: 645

Dyer, B., 3: 197 (116)

Dyer, W. T. T., 3: 477

Dyke, W., 4: 417 (54)

Eames, A. J., 1: 77 (21), 78 (20), 80 (22), 82, 83, 84, 90 (21), 97; 5: 103, 108 (21), 112 (21), 395, 404, 408, 412, 418, 420, 422, 464 (17)

East, E. M., 1: 108; 4: 282, 283, 291, 294, 295, 298, 299, 300, 301, 312, 333, 347

Eastcott, E., 3: 619

Eastham, J. W., 1: 506 (30)

Eaton, D. C., 3: 468, 474
Eaton, F. M., 2: 23, 39, 177, 178
(39): 3: 311, 321, 326
Eaton, M. D., 3: 508
Eaton, Y. 2, 125, 4, 102 Eaton, M. D., 3: 508
Eaton, S. V., 2: 125; 4: 193
Ebeling, A. H., 2: 429, 430
Eber, E., 5: 117 (23), 127 (23)
Eberdt, O., 4: 520
Eckardt, T. 5: 125 (24, 25)
Eckerson, S. H. 1: 67, 68; 2: 23
(111), 259 (34), 487; 3: 88, 99
(57, 60), 104 (58, 60), 105 (57), 106, 107, 108 (57), 109 (59, 60), 110, 111, 112 (57, 60), 159 (60), 160 (60) 160 (60) Eckstein, O., 4: 192 Eckstein, O., 4: 192 Eddins, A. H., 2: 188 (40); 4: 437 Edgerton, C. W., 4: 641 Edmond, J. B., 4: 597, 598, 603 (93) Edson, H. A., 4: 172 (42) Edwards, W. N., 2: 399, 400 (19), 402 (19); 3: 569 Eggers, E., 4: 22 Eghis, S. A., 2: 35 (112), 129, 141; 4: 597, 598 (94) Eglits, M., 1: 418 Egloffstein, H. A. C. F. E. von, 5: 285 (61) Ehrenberg, C. G., 4: 83 Ehrlich, F., 2: 476 (23), 477, 484; 4: 145, 146 (57) 145, 146 (57)
Eichberger, R., 3: 19, 20
Eichberger, R., 3: 19, 20
Eichborn, A., 5: 603
Eichbinger, E. C., 4: 149
Eichler, A. W., 1: 78; 2: 355
Eidelman, Z. M., 2: 31 (114)
Eifrig, C. W. G., 4: 398 (55)
Eig, A., 1: 471
Eigsti, O. J., 5: 587, 592
Eijkmann, C., 3: 628; 4: 146
Einstein, A., 2: 5 (115)
Eisele, H. F., 3: 210 (117), 213
(117), 4: 66
Eisenberg, P., 4: 94, 107, 108 (117), 4: 66
Eisenberg, P., 4: 94, 107, 108
Eisenmenger, W. S., 2: 32, 187 (41);
3: 104, 138 (12), 152 (12)
Eklund, O., 4: 263 (23)
Ekman, E., 3: 594
Ekstrand, H., 1: 486
Eliason, E. J., 5: 189 (36)
Ellenborn, J., 2: 531 (21), 532 (21);
4: 448 (16), 451 (16), 462, 463, 468, 469; 5: 598
Ellett, W. B., 3: 213 (118), 214 (118)
Ellinger, F., 5: 13 Ellinger, F., 5: 13 Elliot, J. H., 5: 420 Elliott, A. M., 2: 87 (14), 89 (14), 91 (14)

Elliott, C., 1: 407 (30), 450; 3: 514 (37) Elliott, J. A., 4: 165 (43), 168 Ellis, D., 4: 86, 87, 97, 98, 99, 100 Ellis, L., 4: 156 (39) Ellis, R., 1: 20 Ellis, R., 1: 20
Elmanov, S. I., 5: 14
Elmer, O. H., 4: 172
Elsner, W., 5: 360
Elvehjem, C. A., 2: 379
Elze, D. L., 1: 1, 2 (19), 3 (18), 7 (19), 453; 5: 241 (20), 245 (20)
Emerson, J. H., 4: 640, 641
Emerson, O. H., 4: 488, 489 (77)
Emerson, P., 1: 249
Emerson, R., 2: 6, 143 (119)
Emerson, R. A., 1: 234 (30), 235 (30), 236, 237 (31), 238, 239 (30), 240, 242 (24), 277 (27), 317; 2: 141 (117), 206 (17, 18)
Emerson, S. H., 2: 326 (42), 329 (44, 47, 48), 232 (242, 329 (44), 329 (44, 47, 48), 232 (242, 329 (44), 329 (44, 48), 328 (32), 329 (44, 48), 329 (32), 329 (32), 320 (32), 329 (32), 320 (32), 320 (32), 320 (32), 320 (32), 320 (32), 320 (32), 320 (32), 320 141 (117), 206 (17, 18) Emerson, S. H., 2: 326 (42), 329 (44, 47, 48, 49), 330, 332, 342 Emery, A. H., 1: 416 Emme, H., 1: 467, 477 (17) Emmens, C. W., 5: 5 (65), 27 (64), 33 (65) Emment, A., 3: 618 (20) Emmett, H. E. G., 2: 232 (13) Emmons, C. W., 1: 328; 4: 477 (26) Emsweller, S. L., 1: 102 (14); 5: 582, 590 582, 590
Enderlein, G., 4: 91, 104
Endlicher, S. L., 4: 374
Endō, S., 4: 165 (45, 46, 47), 166, 169, 174 (47), 489
Engard, C. T., 5: 496
Engel, W., 5: 328
Engle, H., 3: 94 (62), 100 (62), 112 (63), 113 (131), 114, 115, 117, 127, 137 137 Engledow, F. L., 3: 88 (297) Engler, A., 3: 178 (22), 459, 461, 462, Engler, A., 3: 178 (22), 459, 461, 462, 467-474 5: 98, 99, 100. Engmann, K. F., 4: 544 Enlow, C. R., 3: 205 (333) Enlows, E. M. A., 1: 449 (54), 450 Ennis, B., 5: 550 Enquist, F., 3: 428 Enslin, O., 1: 30 (15) Eppson, H. F., 2: 375 (4, 5), 378, 380, 382 (4), 383 (4), 387, 388 (4), 389, 390 (4), 391, 393 (4) Erdmann, R., 2: 419 Erdman, G., 1: 45, 46, 47 (16): 5: Erdmann, K., 2: 419
Erdman, G., 1: 45, 46, 47 (16); 5: 627, 630, 633, 634, 635, 636, 638, 639, 642, 643, 644, 647
Eriksson, J., 1: 119, 120
Erlanson, E. W., 1: 104; 3: 348
Friemperer H. 4: 602 (05) Erlenmeyer, H., 4: 602 (95)

Ermakoff, A. I., 1: 260
Ernest, A., 3: 198 (349)
Ernest, E. C. M., 3: 12; 4: 538, 542
Ernst, H., 5: 582
Ernst, R. A., 5: 142, 143, 144, 145, 146
Erwin, A. T., 2: 507 (103)
Erxleben, H., 1: 165, 166 (32, 29), 167 (34) 177; 4: 154 (83); 5: 658
Esau, K., 4: 548; 5: 373
Esmarch, E. von, 4: 87
Esmarch, F., 4: 565 (53), 566 (53)
Espino, R. B., 1: 361, 362 (36)
Essenbeck, E., 2: 420
Essig, E. O., 5: 297
Estioko, R. P., 3: 197 (284)
Ettingshausen, C. von, 1: 185
Ettisch, G., 1: 24 (13), 32
Euler, H. von, 2: 12, 130; 3: 631; 4: 603
Evans, A., 4: 86
Evans, A. W., 5: 49
Evans, H., 3: 625 (22)
Evans, M. M., 1: 416
Evans, M. W., 2: 136 (122); 3: 205 (119), 206 (119), 261
Evans, W. G., 1: 501 (46)
Everdingen van, 1: 504
Everett, E. L., 4: 146 (2)
Everingham, E. T., 3: 96
Ewart, A. J., 4: 235, 236, 242, 248, 251, 252, 254, 260, 261, 270, 271
Ewing, J., 2: 100, 132, 439; 3: 95 (169, 170)
Ewing, K. P., 5: 280, 281
Exner, F. M., 5: 6 (66), 10 (66)
Eyer, J. R., 1: 453 (23); 5: 300, 302 (65, 209), 308 (69), 309
Eyre, J., 2: 490, 491
Eyster, W. H., 1: 238, 239, 242; 2: 8
Ezekiel, W. N., 1: 347, 508 (31); 2: 269; 4: 633, 645, 646; 5: 328, 329 (11), 332

r

Fabergé, A. C., 3: 250; 4: 607 (96a); 5: 591
Fabre, J. H., 4: 37
Fabricius, L., 1: 367 (37, 38, 39)
Faegri, K., 3: 400, 425
Faes, H., 5: 295
Fahmy, T., 2: 255; 4: 170 (49), 171 (49)
Fajardo, T. G., 5: 240 (21)
Falck, O., 4: 398 (57), 402 (57)
Falck, R., 1: 449 (8); 4: 398 (57), 402 (57)
Falconer, W., 4: 398, (58), 401 (58), 402 (59)
Falk, K. G., 4: 585 (97)

Famintzin, A., 3: 10; 4: 521 Fancourt, E., 4: 264 Faricourt, E., 4: 264
Faris, J. A., 1: 123, 124
Farlow, W. G., 3: 477; 5: 439, 442
Farmer, J. B., 2: 448; 3: 476; 5: 436, 439, 442, 443, 445, 447, 448, 449
Farneti, R., 4: 34 Farnham, M. E., 2: 198 (8), 199 (8) Farnham, R. B., 3: 327 Farr, C. H., 2: 68 (4) Farr, W. K., 1: 67, 68; 2: 487 Farrell, L., 3: 618, 620 Farries, E. H. M., 2: 273 Farris, N. F., 3: 205 (341), 210 (341)Farrow, E. P., 3: 199 Faull, J. H., 1: 331 Favorsky, N. V., 1: 475, 477 Fawcett, E. A., 2: 446 Fawcett, G. L., 1: 2 (20), 6 (20), Fawcett, H. S., 4: 167, 169, 171 (133), 172 (50), 476 (29), 480, 489, 490 (28), 678 Fechner, G. T., 2: 4 Federoff, M. W., 4: 145 (31) Feher, J., 4: 36 Fehmi, S., 2: 257 Feichtinger, N., 5: 148 Feigin, B., 3: 513 (38) Felber-Pisk, I., 2: 423, 431 Fell, H. B., 2: 419, 430 Fellenberg, Th. von, 2: 479 (73), Fellenberg, Tl 489, 491, 492 Fellows, H., 5: 332 Felt, E. P., 1: 459 (25); 5: 291 Fenton, E. W., 4: 68 (32) Fenton, F. A., 1: 453 (26); 5: 275, 299, 300 (72, 75), 301 (75), 302 (74)Fergus, E. N., 3: 206 Ferguson, M. C., 4: 327, 398 (60), Fernald, M. L., 3: 341, 594, 596; 5: 649 Fernandes, A., 2: 211 Fernbach, A., 4: 144 (59), 146 (59), 152 Ferwerda, F. P., 1: 240 Fetherolf, N. J., 4: 440 Feuilleteau de Bruyn, W., 5: 285 Feuilgen, R., 3: 252; 4: 92 Fedler, R., 3: 252; 4: 92 Fidler, J. C., 1: 263, 264 Fiedler, H., 3: 630 Fife, J. M., 3: 97, 126 (65); 4: 559 (54); 5: 250, 260, 261, 263 (22) Fife, L. C., 5: 297 Figdor, W., 2: 100; 4: 593, 598, (98) Fildes, P., 3: 623

Filippenko, I. A., 4: 595 (99) Filzer, P., 1: 361 (56); 4: 291 Finch, A. H., 2: 185 (42) Findlay, A., 4: 532 Finnell, H. H., 2: 506 (21, 22) Firbas, F., 1: 38, 39, 40, 45, 46; 5: __643, 645, 646 Fischer, A., 2: 419, 429, 430, 449; 3: 2: 4: 89, 93, 95, 96, 99; 5: 376, 381, 383, 384, 388, 393, 400, 408, 410, 413, 415, 416, 417, 425, 426 Fischer, Eduard, 3: 558, 560; 4: 476. 478 Fischer, Emil, 3: 87 Fischer, Hermann, 4: 600; 5: 473, 405 Fischer, (5), 78 Hugo, 1: 367 (40); 2: 77 Fischnich, O., 5: 484, 488 Fisher, A., 4: 571 (55) Fisher, D. F., 4: 430, 432, 433 (8) Fisher, H. L., 3: 525 (33, 34) Fisher, M. J., 5: 98, 104 Fisher, P. L., 2: 176 (71); 4: 185 (35), 191, 192 (35), 193 (35), 196 (35)Fisher, R. A., 2: 227; 4: 51 (33), 64; 5: 512, 517 Fitting, H., 1: 176; 2: 21; 3: 12, 187, 525, 526 Fitz, G. W., 4: 640, 641 Fitzpatrick, T. J., 4: 55, 56, 74, 75, 76; 5: 555 (74), 556 Flachs, K., 4: 416 Flahault, C., 1: 211 Flahault, C., 1: 211
Flaksberger, C., 1: 468
Fleischer, W. E., 2: 8, 115 (128)
Fleming, A., 4: 488
Fletcher, F., 3: 196 (123), 197 (122)
Fletcher, L. A., 2: 12
Flint, L. H., 2: 45 (130), 46 (131)
Flint, W. P., 5: 299 (111)
Floderus, B., 3: 606
Flor, H. H., 1: 124; 2: 506, 507
Florell, V. H., 1: 475 (21), 480 (21)
Florin, R., 1: 185, 191, 194, 197; 2: 411 411 411 Flowers, S., 1: 200 Floyd, B. F., 4: 187 (36) Flu, P., 3: 508 Fly, C. L., 2: 185 (27) Focke, W. O., 3: 593 Foëx, E., 2: 175 (43); 4: 566 Foister, C. E., 1: 497 Follett-Smith R R 5: 307 Follett-Smith, R. R., 5: 307 Folsom, D., 1: 5 (62), 7 (62) Fontana, F., 3: 1 Fontès, A., 4: 91

Fonzes-Diacon, 2: 589 (31) Foot, H., 1: 42 Forbes, H. O., 4: 35 Forjaz, P., 3: 388 (35) Formazova, L. N., 2: 16 (269) Forsling, C. L., 5: 175 (24), 192 Forster, K., 2: 122 Forsythe, W. E., 5: 18 (67) Forward, D. F., 2: 267 Foster, A. S., 2: 349; 3: 553, 554; 5: 454 Foster, J. W., 5: 207 Fouillade, M., 3: 600, 601 Fouillade, M., 3: 600, 601 Fowle, F. E., 2: 2 Fowler, E. D., 2: 186 (35) Fowler, F. L., 2: 42 (80) Föyn, B., 4: 135 (4-6) Frache, E., 4: 98, 99 Frampton, V. L., 3: 97, 126 (65); 4: 559 (54); 5: 261 Francini, E., 2: 576 Francis, D. S., 5: 14 (115), 15, 22 (68)(08)
Frank, A. B., 3: 175, 177
Franke, K. W., 2: 374, 375, 376 (27), 377, 378, 379 (16, 24, 25, 26), 381, 384, 391, 392
Franke, W., 1: 507 (34); 2: 269
Frankel, O. H., 5: 603
Fransen, J. J., 1: 451 (27, 28)
Frantzuzova. M. A., 4: 144 (117) Frantzuzova, M. A., 4: 144 (117), 150 (117)
Fraps, G. S., 2: 103; 3: 147
Fraser, G. K., 3: 203 (403), 205
(403); 5: 556 Fraser, K. M., 3: 210 (376) Fraser, M. S., 5: 100, 112 (30), 113 (31)
Frear, D., 4: 398 (62), 405 (62)
Fred, E. B., 3: 207 (124), 209 (125),
211 (124, 126, 280), 212 (124), 213
(124), 215 (124), 366, 367, 371
(37), 375, 377 (28, 124), 378 (37),
381 (36), 385; 4: 151 (166), 171
(53); 5: 328, 329, 332
Freeland, R. O., 3: 322 (30)
Freisleben, R., 3: 216 (127)
Freitag, J. H., 5: 246 (25), 247, 250,
251 (31) 251 251
Fremy, E., 2: 475, 485, 491
French, R. W., 3: 76, 79
Frenzel, H., 1: 122, 123, 129
Freudenberg, K., 1: 62, 63, 70
Freund, H., 2: 103 (135), 144 (135)
Freundlich, H., 1: 30 (15); 3: 523, 525 (36), 538 (36)
Frey, A., 1: 58 (19), 64, 69 (19), 71; 3: 18, 197 (128, 129)
Frev. L., 4: 146 (85) Frey, L., 4: 146 (85)

Freytag, H., 2: 12, 121 (136) Freytag, H., Z: 12, 121 (136) Frey-Wyssling, A., 1: 28, 58, 61, 64 (20); 2: 478, 479, 487 (30); 3: 522, 524, 525 (41), 529, 533, 534, 535, 536, 539 (38); 4: 508, 515, 517; 5: 541, 563, 572, 578, 604, 605, 659, 660 Fricke, H., 2: 284, 291 (35, 37, 38); 5: 575 Fried, E., 4: 99 Friedmann, T. E., 4: 153 (62) Friedheim, E. A. H., 4: 153 (61) Friedrichs, G., 2: 502 (25); 3: 183 Friedrichs, G., 2: 502 (25); 3: 183 Fries, N., 5: 328, 339 Fries, T. G. E., 1: 211 (22); 2: 223 (32); 3: 441, 442 Friese, W., 4: 411 (63) Frisendahl, A., 2: 575 Fritsch, F. E., 2: 459, 464, 465 Fritzsche, C. J., 2: 77 (6) Frobisher, M., 4: 629 Froggatt, W. W., 5: 294 (83) Frolova, S. L., 5: 602, 614 Fromme, F. D., 2: 518 (26) Frommherz, A., 4: 441 Frommherz, A., 4: 441 Fron, G., 2: 175; 4: 419 (64) rron, G., 2: 175; 4: 419 (64) Fröschel, P., 5: 661 Fröschl, N., 4: 155 (63) Frost, F. H., 4: 390 (31) Frost, W. D., 4: 105, 165 (54), 171 (54), 172 (54) (34), 172 (34) Fry, H. J., 1: 28 (18); 5: 147 Fryer, J. C. F., 5: 278 Fudge, J. F., 5: 328, 329, 332 Fuhrmann, F., 4: 99 Fujii, K., 2: 402, 537 Fukushi, T., 1: 452; 5: 244, 246 (27), 247 (26), 248, 249, 255 Fuller, G. D., 5: 549 (26), 627, 628, 649 Fuller, H. J., 1: 365 (42), 366 (43); 2: 121 (137) Fulmek, L., 5: 282 (86) Fulmer, E. I., 3: 215 (48), 216 (48), 618 (26); 4: 140 (64), 476 (13), 492 (65) 492 (05)
Fulmer, F. D., 2: 520 (50)
Fulton, H. R., 2: 243, 245; 4: 165 (55), 166, 168, 170, 174 (55)
Funke, G. L., 1: 364 (44); 2: 41, 101, 132; 3: 270; 4: 644, 646; 5: 672
Fürst, V., 3: 625

G
Gabrielson, E. K., 1: 364 (45); 2: 6
(140), 39
Gaertner, T., 3: 268
Gaetani, L., 4: 603

Gage, G. R., 2: 500 (27) Gage, S. H., 1: 53 Gager, C. S., 5: 2, 3, 4 (73), 6 (66), 25 (72), 32 (73) Gahm, O. E., 4: 398 (127), 417 (127) Gaidukov, N., 2: 13 Gail, F. W., 5: 535 Gain, E. 3: 201 (43) Gain, E., 3: 201 (43) Gaines, E. F., 1: 124, 125, 483; 2: Gainey, P. L., 3: 199 Gairdner, A. E., 4: 126; 5: 441, 442, 582 Gaiser, L. O., 1: 467 (23-26), 469 (23-26), 471 (23-26), 475 (23, 26), 477 (23-26); 3: 343 Galeotti, G., 2: 448 Galestin, C. J. A., 3: 368 Gall, O. E., 4: 195 (7) Gallardo, A., 4: 602 (102) Galligar, G. C., 2: 425
Galloway, E. F., 5: 649
Galwialo, M. J., 4: 585 (103)
Gams, H., 1: 44, 46, 220, 226; 3: 430, 441, 448, 449; 5: 548
Gano, L., 5: 191
Carbowski, J. 4: 95, 96 Garbowski, L., 4: 95, 96 Gardiner, W., 3: 2 Gardner, A. D., 4: 647 Gardner, D. P., 5: 656 Gardner, F. E., 4: 492 Gardner, M. W., 1: 460 (56); 4: 550, 553
Gardner, N. L., 2: 558
Gardner, N. R., 3: 100, 157 (67)
Gardner, V. R., 2: 142; 4: 589, 590 (104), 591 (104)
Gardner, W. A., 2: 45
Garlough, F. E., 2: 187 (62)
Garner, W. W., 1: 368 (46, 47, 48); 2: 9, 24, 33, 34, 51, 52, 99 (146), 118, 124, 127, 129 (146), 134, 135, 136 (145, 148), 137, 139, 141, 144 (146); 3: 259; 4: 188 (38, 39), 189, 191 (37), 581, 594 (105), 598, 599 599 Garretsen, A. J., 5: 284 (87, 88) Garrett, S. D., 2: 241 Gartner, T., 4: 604 (104a), 605 (104a)(104a)
Garwood, F., 5: 515
Gassner, J. G., 1: 507 (34); 2: 31, 140, 267, 268, 269, 273, 500 (28), 501 (31), 502 (31), 511 (29, 30)
Gast, P. R., 1: 360 (49), 362 (49), 370 (49), 371
Gatenby, J. B., 3: 6, 7; 5: 137
Gates, F. L., 2: 3 (153), 42; 4: 87

Gates, R. R., 1: 326, 341, 342; 2: 68 (7); 5: 563, 566, 567, 580, 599, 603, 614 Gäumann, E., 1: 126, 416, 507 (35); 2: 260; 4: 476, 478 (30), 548 Gautheret, R. J., 2: 10, 420-430; 4: 516 (37); 5: 360, 363 Gavrilova, M. F., 4: 595 (108) Gay, E. H., 5: 12 (103) Gee, A. H., 4: 628, 643, 644, 650, 652 Geiger, H., 5: 447 Geiger, M., 1: 361 (50); 2: 8 (155), 34 (155), 130 Geiger-Huber, M., 4: 602 (95) Geisler, F., 5: 631 Geiss, W., 4: 417 (65) Geitler, L., 1: 149; 4: 508; 5: 433, 563, 566, 568, 570, 573, 589, 595, 598, 600, 601, 602, 603, 604, 608, 609, 614 Gellhorn, E., 2: 292 (38a), 300 (38a) Genevois, L., 4: 585 (12), 587 (12), 591 (12), 606 Georgévitch, F., 3: 475; 5: 446, 448 Georgi, C. E., 3: 211 (131, 132), 370 Gerber, C., 1: 80 (25); 4: 40 Gerhard, Karl, 2: 318 Gerhardt, F., 4: 433 Gerhartt, A. R., 1: 250, 253, 258, 262 Gericke, W. F., 3: 322, 326 (32) Gerretsen, F. C., 2: 184, 420; 3: 503, 504; 4: 190 Gershenson, S. M., 5: 27 (208) Gershoy, A., 3: 609 Gescher, C., 5: 294 Gessner, F., 1: 173; 2: 110 (156) Getty, R. E., 2: 506 (117) Geuther, T., 2: 499 Ghimpu, V., 1: 477 Giard, A., 4: 602, 603 (112) Gibbons, W. H., 2: 445 Gibbs, R. D., 1: 69 Gibson, F. O. 4: 107 Gershenson, S. M., 5: 27 (208) Gibson, F. O., 4: 107 Gicklhorn, J., 4: 93; 5: 352, 353, 354, 359, 360, 363, 364 Gidon, F., 2: 357, 361 (14), 362 Giemsa, G., 3: 79 Gilbert, A. H., 4: 565 (60), 566 Gilbert, B. E., 2: 23, 28, 139, 140, 178 (47), 182 (46) Gilbert, C. S., 2: 375 (5), 378, 382 (4), 383, 387, 388, 389, 390 (4), 391, 393 (4) Gilbert, E. M., 4: 639, 644 Gilbert, W. W., 2: 517 (33); 5: 240 (16)Gildehaus, E. J., 4: 184 Gile, P. L., 2: 20; 3: 323; 4: 188 Gilgut, C. J., 4: 434 (21)

Gill, N., 4: 592 (114), 593 (114): 5: 420 420 Gillespie, L. J., 4: 172 (58) Gillett, E. C., 2: 352, 354 Gilligan, G. M., 2: 591 (45) Ginsberg, S., 5: 538, 539, 540 Ginsburg, J. M., 4: 192 (43), 193, 196 Giobel, G., 3: 209 (133) Gioeli, F., 4: 167, 171 (59), 172 (59), 173 173 173
Giombini, A., 2: 573 (4)
Giordani, M., 4: 144 (65); 5: 226
Giroud, A., 2: 43; 4: 516 (39, 40, 41)
Girtschanoff, K., 3: 369
Gistl, R., 2: 21, 107; 3: 215 (134)
Givelli, F., 2: 575
Glass, H. B., 1: 410; 2: 50, 143 (162)
Gleason, H. A., 1: 44 (23), 215, 216, 217, 218, 219, 221; 2: 144 (162), 233; 4: 51 (35), 59 (34), 376; 5: 548. 648 548, 648 Gleichgewicht, E., 5: 20 (3), 23 (3) Glendening, G. E., 5: 171 (39, 40) Glinka, K., 1: 227 Glock, W. S., 5: 198 Glocker, R., 5: 9 (76), 12, 22 (77) Glück, H., 4: 22 Gnadinger, C. B., 2: 383 (29) Goddijn, W. A., 3: 604 Goddum, L., 2: 485 (31) Godlewski, E., 3: 90 (68), 91 Godron, D. A., 1: 87 Godron, D. A., 1: 87
Godwin, H., 5: 627, 636, 641, 643, 645
Goebel, H., 3: 631, 632; 4: 603
Goebel, K., 1: 364 (51), 386, 441
(14); 2: 61 (16), 108, 355; 3: 459,
460, 461, 463, 464, 466, 467, 469,
470, 472–478, 484, 485, 489, 490; 4:
22, 24, 26, 36, 37, 39, 40, 42, 671; 5:
53 (19, 20, 22), 55, 56, 58, 59, 64,
65, 72, 73, 74, 76, 78, 79, 84, 85, 87,
434, 441, 447
Goebel, W. F., 4: 95
Goedewaagen, M. A. J., 3: 328 Goedewaagen, M. A. J., 3: 328 Goeppert, H., 4: 505 (42) Goethe, J. W. von, 1: 77, 90 Goeze, G., 2: 31 Goff, E. S., 4: 268, 269 (26) Golding, J., 3: 199 (135), 208 (135) Golding, 3: 367 Goldring, W., 1: 392, 395, 399 (16, 17, 18) Goldschmidt, R., 1: 278; 2: 142 (165), 449; 4: 583 (116, 117, 119); 5: 5 (78, 79), 33 (78, 79), 601 Goldsmith, G. W., 5: 538 Goldstein, B., 1: 342; 4: 552, 554 (61)Goldsworthy, M. C., 1: 502 (36); 2:

589 (32), 591 (33, 34, 82), 596 (33, 82) 82) Golgi, C., 3: 6-9 Gollmick, F., 5: 211 (44), 214 (44), 225 (44), 336 2: 42 (166): 4: 231 225 (44), 336
Goode, R. H., 2: 42 (166); 4: 231
Goodey, T., 4: 434
Goodsell, S. F., 5: 10
Goodspeed, T. H., 2: 44, 198 (12), 202 (11), 531 (23, 24, 25), 532, 534 (25), 535 (25); 3: 254, 340, 341, 342; 4: 237; 5: 1
Goodwin, K. M., 2: 342
Goodwin, W., 2: 592 (35)
Goodyear, G. H., 3: 218 (412)
Goot, van der, 5: 287 (240)
Gooala Ivengar, K., 1: 10 Gooda, Van der, 3: 287 (240) Gopala Iyengar, K., 1: 10 Gorczyński, T., 4: 25, 36 Gordon, A., 5: 187 Gordon, H. H., 1: 185 Gordon, W. L., 1: 122, 127, 506 (37, 38) Gordon, W. T., 1: 428, 431 Gorter, C. J., 1: 174 (21) Gortner, R. A., 2: 13 (168); 4: 170, 173 (57); 5: 162 (51), 534, 535, 538 Gosio, B., 4: 156 Goss, C. M., 4: 498 Goss, R. W., 5: 241 (29) Goss, W. L., 4: 255 (28), 256 Goth, W., 1: 445 (17) Gothan, 1: 185 Gotschlich, E., 4: 99 Gottheil, O., 4: 86
Gottschewski, G., 5: 18, 578
Gottwick, R., 2: 187 (4)
Gould, B. S., 4: 154 (68)
Goulden, C. H., 1: 128; 2: 268 (55)
Gowen, J. W., 5: 12 (103), 580
Goyaud, M., 2: 490
Graber, L. F., 3: 205 (136, 137), 206
(138), 211 (137); 5: 302 (90),
539
Gracapin, M. 2: 18 21 Gottheil, O., 4: 86 Gracanin, M., 2: 18, 31 Graebner, P., 4: 27 Graff, P. W., 1: 331 Graf-Marin, A., 2: 248 Graham, T. W., 1: 125 Grahmann, R., 1: 39, 40 Grainger, J., 4: 548, 553, 554, 560; 5: 472, 476, 478 Grand'Eury, C., 2: 409; 4: 209, 224, Grandori, R., 5: 295 Granick, S., 5: 137, 148 Granlund, E., 3: 446 Granovsky, A. A., 1: 448, 453; 5: 242 (30), 244, 299 (129, 92, 93), 301 (93), 302 (93)

Grasovsky, A., 1: 360 (52), 363 (52) Grassé, P. P., 2: 86, 87 (18), 88, 91 (7) Gratia, A., 1: 12 (22); 4: 563 (65), 564 Graul, E. J., 3: 209 (125) Graupner, V. H., 3: 249 Graves, A. H., 2: 243, 244, 245 Gray, A., 1: 77; 3: 462, 465, 466, 476, 479, 480 Gray, G. F., 1: 363 (53); 2: 142 Gray, J., 4: 99; 5: 144 Graze, H., 4: 119, 123 Greaney, F. J., 2: 509 (76); 4: 166, 172 (60), 174 (60) Greathouse, G. A., 5: 534, 537, 538, 539 Greaves, J. E., 3: 216 (139) Green, D. E., 3: 374; 4: 404 (66) Green, E. L., 2: 591 (33, 82), 596 (33, 82)Green, F. M., 2: 252 Green, H. C., 4: 639, 644; 5: 345 (16)Green, J., 1: 256 Greenhill, A. W., 3: 144 Greenslade, R. M., 5: 293, 294 Greenwood, A. D., 4: 531 Greenwood, M., 3: 217 (155) Gregoire, V., 1: 86; 2: 354, 368; 5: 433, 455 (24), 459 (24), 464, 465, 466 Gregory, B. D., 1: 146 Gregory, F. C., 3: 107; 4: 594, 595 (120, 121) Gregory, R. P., 2: 202 (20) Greguss, P., 4: 590 (122), 593 Greig-Smith, R., 3: 198 (140, 141); 4: 165 (61) Greisenegger, I. K., 3: 201 (142) Grell, S. M., 5: 148 Grélot, P., 1: 79 Grevel, F. K., 1: 124 Grew, N., 3: 14 Grieve, B. G., 4: 555 Griffel, H., 4: 600 (337) Griffin, A., 2: 13 (172) Griffiths, M. A., 2: 499 (126); 5: 416 Griggs, R. F., 1: 43 (24), 49 (24); 5: 183, 649 Grigsby, B. H., 1: 363 (60); 2: 19, 28; 3: 159 (77); 4: 187, 195 (50) Grimme, A., 4: 86 Grinnell, J., 5: 167 Gris, A., 3: 17: 4: 499 (44), 520 Gris, E., 4: 183, 187 (44) Grisebach, A. R., 4: 36 Groh, D., 3: 198 (143) Grohrock, E., 5: 352

Groom, P., 3: 529; 5: 455 (25), 458 Gross, C., 4: 134 (7) Gross, H., 1: 44, 46 Gross, I., 4: 133 (8) Grossenbacher, K., 3: 311 Grosser, W., 4: 40 Grotthus, T. von, 2: 3 Grotthus, T. von, 2: 3 Grove, A. J., 5: 298 (97) Grover, C. E., 3: 92 (71), 93 Groves, J. F., 4: 236 Grubb, N. H., 3: 559 (42), 560 (17) Grüber, F., 4: 307, 308, 309, 310 Grumbach, A., 3: 514 (41) Grünberg, O., 4: 585 (124) Grüneberg, H., 5: 5 (104, 105), 33 (104, 105) Grüntuch, R., 3: 92 Grüntuch, R., 3: 92 Guba, E. F., 4: 434 (21) Guerrini, G., 2: 40 Guffroy, C., 4: 411 (67) Guha, S. C., 4: 587 (124a) Guillert, J., 5: 211 (33) Guillaumin, A., 4: 247 Guillaumin, A., 4: 247
Guilliermond, A., 2: 85 (20), 88
(21), 89 (19, 21); 3: 3, 4, 5, 6, 8, 17, 18; 4: 89, 90, 93, 100, 505 (47, 48), 506, 513 (48), 518, 521; 5: 134, 355, 358, 359, 360, 363
Gulick, A., 5: 577, 578
Gullberg, J. E., 4: 641, 643, 644
Gundel, W., 3: 183
Gunderson, M. F., 2: 42
Günther-Massias, M., 3: 187 (27) Gunther-Massias, M., 3: 187 (27) Guppy, H. B., 4: 241 (32), 243 Gupta, D. D., 4: 634, 645 Gupta, K. M., 2: 404 (24) Gurchot, C., 4: 101 Gurewitsch, A., 1: 64 Gurney, H. C., 1: 480 (30); 3: 252 (28)Gurtler, F., 2: 179 (56) Gussewa, K. A., 2: 461, 464, 470, 471; 4: 133 (9) Güssow, H. T., 2: 503 (34); 4: 417 (68) Gustafson, A., 2: 567, 581 (29); 5: 566, 572, 579, 580, 582 Gustafson, A. F., 3: 205 (144), 217 (144)(144)
Gustafson, F. G., 1: 263, 264; 4: 581
(125, 126, 127), 604 (127), 605
(125a); 5: 496
Guterman, C. E. F., 1: 5 (23), 7
(23); 2: 513 (47), 516 (46, 47)
Guthrie, J. D., 2: 9, 24, 25, 30, 42
(99), 119, 136 (12); 3: 139 (4);
4: 590 (9), 594 (10)
Gutstein, M., 4: 91, 96, 107
Guttenberg, H. von, 1: 177 (22); 5: 557

Gwynne-Vaughan, D. T., 1: 431, 434, 435, 440, 444 (26)

Haagen-Smit, A. J., 1: 165, 166 (32, 29), 167 (34), 177; 3: 627, 629; 5: 658 658
Haan, H. de, 1: 239 (38)
Haan, K. de, 2: 175 (49), 183 (48)
Haas, A. R. C., 2: 177 (50, 53, 54),
183, 184 (52); 3: 13, 15, 311; 4:
185 (46, 48), 189, 194 (47), 570
(67), 592 (128); 5: 532, 538
Haber, J. M., 5: 105
Haberlandt, G., 2: 131, 420, 421, 423;
3: 178, 459, 462, 466, 487, 524 (43),
529; 4: 266, 511 (49); 5: 374, 407,
408 408 Hackbarth, J., 2: 125; 3: 262 Hackel, E., 4: 32 Hackel, E., 4: 32
Hackenberg, H., 4: 590 (129)
Hadley, P., 3: 500 (43), 501 (43), 508 (43), 516; 4: 86
Hackel, J., 3: 177, 187
Haenseler, C. M., 3: 213 (147); 4: 166, 171 (62), 173, 174 (63), 488, 490 (32); 5: 299
Haertl, E. J., 5: 610
Hafenrichter, A. L., 3: 209 (148) Hafenrichter, A. L., 3: 209 (148) Haffner, P., 1: 227 Haga, T., 4: 583 (130); 5: 567, 582 Hagem, O., 3: 432; 4: 628, 632; 5: 333 Hagerup, O., 1: 197; 3: 339, 415, 416, 419, 420, 421; 4: 24, 34; 5: 550, 551, 553 551, 553
Hagiwara, T., 1: 239 (39)
Hagström, J. O., 3: 596
Hahn, G. G., 4: 440
Hahn, M., 4: 639, 644, 649, 652
Haig, C., 2: 108: 5: 671
Haig, I. T., 5: 184
Haines, F. M., 3: 178, 179
Haines, R. B., 5: 12 (162), 18 (162)
Håkansson, A., 1: 103, 478 (31); 2: 326 (55), 327 (55), 330, 342, 343; 4: 585 (6) 4: 585 (6) Halberstaedter, L., 5: 20 (106), 22 (106)
Haldane, J. B. S., 2: 202 (54), 207
Haldane, J. S., 4: 534, 535
Halden, B. E., 5: 190
Hale, W. M., 3: 508, 514 (24)
Hales, S., 3: 47
Haley, D. E., 4: 398 (62), 405 (62)
Hall, A. D., 3: 88 (21), 196 (149), 198 (150), 200 (150, 152)
Hall, C. J. J. van, 2: 237
Hall, H. M., 5: 167
Hall, M. P., 2: 109 (180); 4: 169 (106)

Hall, R. C., 1: 370 Hall, R. P., 2: 85 Halle, T. G., 1: 387, 395 (19); 2: 406 (26), 407 (20), 409 (25); 3: 570 (12), 572, 573, 580, 581 (13), 587; 4: 218, 219, 220, 223, 224, 227, 229, Halliday, E., 2: 493 Hallier, H., 5: 99 Hallock, F. A., 5: 99 Halma, F. F., 5: 532, 538, 540 Halmai, J., 2: 352; 5: 459 (26) Ham, W. R., 5: 18 (49) Hamada, H., 2: 101 Hamel, G., 4: 667 Hamilton, J. M., 1: 504 (40); 2: 588 (37), 589 (37), 591 (37, 38), 595 (36)(36)
Hamilton, M. A., 5: 257
Hammarlund, C., 1: 125, 500 (39)
Hammerl, H., 4: 97
Hämmerling, J., 4: 134 (10)
Hammersten, E., 5: 578, 605
Hammett, F. S., 2: 104 (182)
Hamner, K. C., 3: 105 (73), 106, 107, 109 (73), 112, 136 (73), 153 (73)
Hanatschek, H., 4: 134 (11)
Hanby, A. M., 2: 133 (384) Hanby, A. M., 2: 133 (384) Hance, F. E., 2: 183 (55), 187 (55) Handley, W. S., 2: 444 Hanes, C. S., 1: 255, 256, 257 Hanf, M., 5: 119, 120 Hanna, G. D., 1: 38, 46 Hanna, W. F., 2: 99 (183), 267, 503 (35), 511 (36); 4: 632, 641, 646, 647, 649 Hannig, E., 2: 420; 3: 12 Hansemann von, D., 2: 448 Hansen, E. C., 4: 628, 635, 637, 645, Hansen, H. N., 1: 449 (69) Hansen, H. P., 5: 629, 631, 634, 635, 650 650
Hanson, A. J., 5: 297 (98, 99)
Hanson, F. B., 5: 12
Hanson, H. C., 2: 230, 232; 4: 51; 5: 163, 166, 186
Hanson, H. H., 4: 75 (18)
Hanson, S., 1: 366 (55)
Hansteen, B., 3: 88 (74); 5: 407
Hanstein, J., 2: 350, 351, 420, 422; 3: 53; 5: 374, 387, 393, 454, 456, 457, 459, 460, 461
Harada, T., 4: 155 (69)
Hårdaav Segerstad, K. F., 3: 425
Harden, H., 3: 625 Harden, H., 3: 625 Harder, R., 1: 361 (56); 2: 14; 3: 631, 632; 4: 595 (135), 603, 647,

Harding, P. L., 1: 258 Hardy, F., 3: 218 (153); 5: 303 (101), 305, 307, 308 (103) Hardy, M. B., 1: 258, 262 Harding, B. J. 25, 260 Hardy, M. B., 1: 238, 202 Hariantis, B. J., 3: 369 Harland, S. C., 4: 328; 5: 297 (104) Harley, C. P., 4: 433 Harlow, W. M., 1: 69 Harms, H., 4: 38 Harned, H. S., 2: 5 (185) Harnett, J., 4: 417 (10) Harnen van. N. H., 3: 538 (45), 539 Harpen van, N. H., 3: 538 (45), 539 (45)Harper, H. J., 1: 42 Harper, R. A., 1: 335 (31); 2: 144 (186); 4: 521 (50) Harper, R. M., 1: 224; 5: 194 Harries, C., 3: 531 Harries, R., 2: 561 (2) Harrington, J. B., 1: 128; 2: 137 (187)Harris, H. M., 1: 3 (17); 5: 241 (19)Harris, J. A., 3: 13; 5: 162 (51), 534, 535, 538 Harris, R. V., 1: 471; 3: 559 (16) Harris, T. M., 1: 185, 445 (19); 2: 407 (27), 408 (28), 409 (28), 411 (29); 3: 581 (15); 5: 119 Harris, W. G., 3: 213 (118), 214 (118)
Harris, W. V., 5: 282 (105)
Harrison, D. C., 4: 143
Harrison, J. W. H., 4: 602 (136)
Harrison, R. G., 2: 419, 421
Harrison, W. H., 3: 215 (154)
Hart, H., 2: 249
Hart, S. J. G., 5: 285
Härtel, K., 5: 459 (28)
Hartelius, V., 3: 621; 5: 231, 338, 340
Harter, L. L., 2: 252, 488, 489; 3: 295; 4: 170, 171 (164); 5: 328
Hartge, L., 2: 561 (3)
Hartig, Th., 3: 17, 51; 5: 373, 374, 375, 386, 394, 404
Hartley, C., 1: 360 (57); 3: 298, (118)Hartley, C., 1: 360 (57); 3: 298, 304; 4: 440 304; 4: 440
Hartley, K. T., 3: 217 (155)
Hartman, C., 4: 190, 192, 193
Hartmann, H., 3: 180
Hartmann, M., 4: 134 (12), 135 (12)
Hartwell, B. L., 3: 197 (156, 160), 199, 200 (85, 156, 157, 159, 160)
Hartzell, A., 1: 453 (26); 4: 569 (68); 5: 245 (32), 255, 299, 301, 302 (74)
Harvey, C. C., 1: 336; 2: 245, 247
Harvey, E. B., 5: 138, 141, 142
Harvey, E. M., 2: 28; 4: 590 (137)

Harvey, E. N., 5: 134, 141, 142 Harvey, L. H., 4: 55, 59 (45) Harvey, R. B., 2: 39, 115, 136, 143 (194), 254 (65); 5: 539 Harvill, E. K., 4: 594 (10) Hasegawa, N., 1: 475 Haselwarter, A., 5: 582, 588, 589 Haskell, R. J., 2: 498 (38), 509 (37); 4: 170 (67) Haskins, C. P., 5: 12 (108-110), 23 (195)Hassebrauk, K., 2: 268 (50, 51, 64) Hastings, E. G., 4: 628, 629 Hatch, A. B., 2: 420; 3: 216 (161) Hatschek, E., 1: 20 Hatton, J. H., 5: 194 (52) Hatton, R. G., 3: 560 (17) Haupt, A. W., 2: 578, 579 Haupt, G., 1: 272, 273 (29, 30) Hausen, S., 2: 42 (559); 3: 92 (280), 217 (162), 383 (103), 385 (103), 625, 626, 631; 4: 601 (138) Hauser, E. A., 3: 522, 523, 525 (48), 527 Haut, I. C., 2: 137 (190) Havas, L., 3: 626; 4: 603 Hawker, L. E., 4: 481 (2), 485 (2), 486 (33) Hawkins, L. A., 2: 254 (65) Hawkins, R. S., 3: 198 (163), 199 Haworth, W. N., 4: 148 (71) Hayashi, T., 4: 492 (80) Hayes, D. W., 5: 445 Hayes, F. A., 4: 60 Hayes, H. K., 1: 239 (40) Haymaker, H. H., 2: 262; 4: 170 (69), 171 (69), 173 (69) Haynes, R., 3: 77 Hayward, H. E., 5: 459 (29) Hazard, H. E., 5: 182 Headden, W. P., 3: 200 (164), 207 (164, 165, 167), 214 (166) Heafford, R. M., 4: 553, 554 Heald, F. D., 3: 295; 4: 481 (34), 485 (34), 678 Heard, A., 1: 385, 445 (20) Hearne, E. M., 1: 486; 2: 538 Heath, G. H., 5: 556 Heberer, G., 5: 563, 567 Hébert, A., 4: 407 (69, 70), 408 (70), 411 (69) 411 (69)
Hecht, S., 2: 4 (191, 192), 6 (192)
Heck, A. F., 4: 479 (35)
Hecker, F., 4: 639, 644, 649, 650
Hector, J. M., 4: 68 (88)
Hedayetullah, S., 2: 342, 531 (26), 532 (26), 534 (26)
Hedgook, G. G., 2: 441
Hedges, F., 1: 411 (36)

Hedrick, U. P., 3: 196 Hée, A., 1: 253, 254 Heer, O., 4: 374, 375, 376, 387, 394 Hegelmaier, F., 5: 435 Heiberg, S. O., 5: 187 Heidelberger, M., 4: 95 Heidt, K., 2: 423 Heilborn, O., 3: 342, 415; 5: 585, 587. 597 Heilbronn, A., 5: 147, 441, 442, 446, Heilbrunn, L. V., 4: 503; 5: 147 Heim, C., 5: 440 Heim, F., 4: 407 (69, 70), 408 (70), 411 (69), 419 Heimburger, C., 5: 184, 187 (55)
Heimlich, L. F., 4: 592 (140, 141)
Hein, H., 3: 187 (31)
Hein, I., 4: 165, 398 (73, 74), 399 (73), 402 (73), 406 (73, 74), 412 (75, 76), 413 (74)
Hein, M. A., 4: 70 (47)
Heinicke A. I. 1: 361 (58) 362 Heinicke, A. J., 1: 361 (58), 362 (58)Heinrich, M., 4: 246, 247 Heinricher, E., 1: 86; 3: 461, 462, 466, 467, 470, 479, 481, 482, 483, 491 Heitz, E., 1: 272, 273 (31), 277 (31), 316; 3: 244, 245, 252 (30), 253; 4: 500 (52, 53), 509, 510, 511, 514 (53); 5: 27 (111-113), 433, 563, 597, 600, 601, 603 Helfenstein, A., 2: 13 Hellbach, R., 4: 143 Heller, H. H., 4: 629, 644 Heller, K., 2: 179 (56) Heller, V. G., 2: 43, 382 (30) Hellriegel, H., 3: 365 Hellstrom, H., 2: 303 Helm, J., 5: 127 (36), 455 (30) Helwig, E. R., 5: 30 (114) Hemenway, A. F., 5: 404, 405, 409 Hemmi, T., 1: 502 (42) Hemmi, T., 1: 502 (42)
Hemstreet, C., 3: 504 (55), 512
Henckel, P., 3: 215 (169)
Henckel, P. A., 1: 358 (59)
Henderson, R. G., 2: 177 (122), 187 (122), 591 (38), 595 (38)
Henderson, S. M. K., 1: 389 (21)
Hendricks, B. A., 5: 193
Hendricks, E., 2: 39, 136, 143 (194)
Hendrickson, A. A., 4: 631, 638, 639, 644, 651, 652 644, 651, 652 644, 651, 052 Henglein, F., 2: 478 Henri, V., 3: 523 Henrici, A. T., 4: 84, 85, 88, 101, 105 Henry, A. W., 2: 503 (40, 41); 3: 609; 4: 165 (71), 169, 172 (71) Henry, H., 4: 631

Henshaw, P. S., 5: 14 (115) Henslow, G., 1: 79 Hérail, J., 5: 421 Herčik, F., 2: 50 Herford, G. V. B., 5: 302 Heribert-Nilsson, N., 4: 350 Heriot, A. D., 5: 296 (245) Hérissey, H., 2: 488, 489 Herke, S., 3: 197 (170), 202 Herndlufter, F. 3: 88 (75) Herke, S., 3: 197 (170), 202 Herndlhofer, E., 3: 88 (75) Herrick, H. T., 4: 142 (107), 143 (108, 163), 144 (99), 145 (158), 147 (158), 148 (157), 172 (99); 5: 218 (87), 327 (35), 332 Herrig, F., 2: 351 (24), 3: 553 Hertel, E., 2: 15 Hertig. M. 4: 648 Hertel, E., 2: 15
Hertig, M., 4: 648
Hertwig, P., 1: 238 (41)
Herzfeld, S., 1: 192, 193, 200
Herzog, R. O., 1: 61, 62 (26)
Herzog, Th., 5: 69
Hesler, L. R., 4: 632, 637
Hesmer, H., 5: 643, 645
Hess, K., 1: 67, 68
Hetherington, A. C., 4: 149 (14), 153
(74), 154 (75)
Hett, Z., 5: 601
Hewitt, W. B., 4: 567 (69)
Hewlett, C. H., 2: 511 (42)
Hewlett, J. H., 2: 511 (42)
Hewlett, R. W., 4: 635, 646
Hey, A., 1: 506 (43) riewlett, R. W., 4: 635, 646 Hey, A., 1: 506 (43) Hey, G. L., 1: 501 (44) Heyer, F. von, 4: 603 (142) Heyl, J. G., 5: 541 Heyn, A. N. J., 1: 171, 172 (23, 26); 5: 659, 675 Heys. F. 5: 12 5: 659, 675

Heys, F., 5: 12

Hibbard, A. D., 3: 109

Hibbard, P. L., 2: 18, 19, 28, 294; 3:

310 (46), 313 (38), 317 (38); 4:

194 (22, 23, 24, 25), 195 (50)

Hibbard, R. P., 1: 363 (60); 3: 159

(77), 320 (37); 4: 187

Hibben, S. C., 1: 360 (62), 364 (61)

Hibberd, P. L., 2: 186, 188 (24)

Hicock, H. W., 5: 187

Hicks, G. C., 3: 342

Hicks, P. A., 1: 359 (63), 363 (63);

2: 26, 116, 126 (199), 143 (200),

144 (199); 4: 590 (143), 606 (143)

Hida, T., 4: 148

Hieronymus, G., 5: 434, 447 Hieronymus, G., 5: 434, 447 Hieronymus, G., 5: 434, 447 Higginbottom, C., 4: 156 (39) Higgins, B. B., 1: 346, 411 (37); 2: 250; 4: 170, 171 (73), 172 (73) Higgins, E. M., 2: 559 (4) Higgins, G. M., 1: 365 (144, 145) Hildebrand, E. M., 1: 417, 448, 450;

Hilgard, E. W., 5: 159, 160, 165, 188, 190 Hilitzer, A., 3: 218 (171) Hill, A. V., 1: 500 (1) Hill, A. W., 3: 597, 602, 604; 4: 635, 649; 5: 388, 390, 395, 400, 405, 414, 415 415 Hill, H. D., 4: 553 (70) Hill, H. H., 3: 213 (118), 214 (118) Hill, J. B., 1: 415; 2: 445 Hill, J. H., 2: 41 (298) Hill, R. R., 4: 68 (48) Hill, S. E., 2: 306 (40); 4: 168, 172 Hill, W. L., 2: 383 (46) Hillary, B. B., 5: 587 Hills, T. L., 3: 211 (172) Hiltner, L., 3: 213 (173, 174) Himmel, W. J., 2: 125 (572) Hinderer, G., 4: 119, 123 Hinderer, G., 4: 119, 123
Hines, L., 1: 121
Hino, I., 3: 213 (175)
Hirata, K., 4: 583 (144)
Hirayama, S., 4: 562; 5: 477
Hirmer, M., 1: 383 (22), 387, 391
(22), 394, 396, 398, 428, 429, 430, 433 (21), 435 (21), 437, 439 (21), 441 (21); 2: 400; 3: 421; 4: 399 (77)
Hirn, K. E., 2: 456, 457, 459
Hirschfeld, H., 2: 442, 449
Hitchcock, A. E., 2: 124 (598); 3:
159 (304), 160, 188, 273; 5: 482,
483, 484, 485, 486, 487, 488
Hitzer, K., 4: 601
Hlavaty, J., 3: 628
Hoagland, D. R., 2: 18, 115, 178
(57), 186, 188 (24), 285 (45, 48,
56), 289 (42, 43), 290 (44), 293,
294, 295 (45), 298 (45, 47), 299;
3: 11, 15, 101 (79), 103 (79), 113,
126, 307, 625 (23); 4: 192 (51,
64), 193, 194; 5: 496, 497, 531; 5:
539 539 Hoare, G. V., 2: 531 (27), 532 (27), 534 (27), 536 (27), 538, 542 (27), 545 (27) Höber, R., 2: 291 (50), 292 (50, 51), 300 (50, 51) Hock, A., 3: 196 (275) Hockenyos, G. L., 2: 591 (39), 595 (40)Hockey, J. F., 2: 588 (41), 590 (42), 592 (41); 4: 569 (111) Hodge, H. M., 4: 105, 106 Høeg, O. A., 1: 388 (23), 389 (25); 3: 563 Hoeppener, E., 2: 338 (59) Hof, A. C., 3: 2, 4, 5, 8, 23 Hoff, J. H. van't, 4: 533

Hoffman, I. C., 2: 182 (58, 59); 4: 191 (54) Hoffman, M. B., 1: 361 (58), 362 (58); 2: 590 (43, 44) Hoffman, W. F., 5: 162 (51) Hoffmann, C., 2: 20 Hoffmann, F., 2: 300 (51) Hoffmann, H., 4: 26, 27, 402, 583 (146)Hoffmann, M., 4: 21 Hofker, J., 1: 157, 158 Höfler, K., 3: 19, 20; 4: 541 Hofmann, E., 1: 194, 363 (64); 2: 399 (31, 32) Hofmeister, L., 5: 363
Hofmeister, W., 3: 458, 459, 461, 470, 472, 474, 478, 481, 490; 5: 455, 456
Hoggan, I. A., 1: 453; 4: 555 (81); 5: 244 (36), 256, 257, 260 (37), 266, 267 Holbert, J. R., 2: 250, 259 (36), 507 (43, 102, 103), 508 (63); 3: 292, 293 Holch, A. E., 1: 369 (65) Holden, H. S., 1: 428, 431 (22), 432 (22)
Hole, R. S., 5: 184, 187
Holferty, G. M., 1: 275 (33)
Holker, J., 4: 637, 644
Holland, E. B., 2: 591 (45)
Hollande, A. C., 4: 89, 91, 92
Hollande, G., 4: 91
Holle, G. von, 3: 17
Holley, K. T., 3: 121 (80, 81, 82), 137 137 Hollick, A., 1: 46; 2: 401; 3: 45 Hollick, A., 1: 46; 2: 401; 3: 45 Hollingshead, L., 1: 106, 469 Hollo, E., 3: 370, 371 Hollowell, E. A., 1: 453; 5: 299 (111), 301 (111) Holm, T., 3: 459, 467, 471, 473, 474 Holman, R., 1: 360 (66); 2: 8, 42 Holman, W. L., 4: 168, 171 (75), 172 (75), 174, 476 (36), 477 (36), 489 Holmberg, O. R., 3: 596, 605 Holmboe, J., 3: 414, 430, 433, 435, 437 Holmes, F. O., 1: 9 (24); 4: 554 (74), 555 (74), 561; 5: 472, 476, 477, 478 (74), 55 477, 478 477, 478 Holmes, W. C., 3: 76, 79 Holmgren, E., 3: 4, 6, 8 Hölscher, J., 3: 459 Holton, C. S., 1: 124 Hommer, M., 2: 107 Honecker, L., 2: 269 Honert, T. H. van den, 2: 7; 4: 190, 191 (55), 192 (55) Honeyman, A. J. M., 2: 109 (70),

Honing, J. A., 2: 44; 4: 127, 128 Hoogerheide, J. C., 4: 107 Hooker, H. D., 2: 26 (210), 28 (209); 3: 100, 157 (67); 4: 590 (147)Hooker, J. D., 2: 399: 4: 208, 220. 5: 99 5: 99
Hooker, W. J., 3: 458-474
Hoover, M. E., 5: 28 (48)
Hoover, S. R., 3: 215 (13), 216, 371, 372, 374 (43); 5: 332
Hoover, W. H., 1: 362 (67)
Hope, C. W., 3: 463
Hopkins, B. S., 2: 383 (38)
Hopkins, E. F., 2: 184; 4: 172 (76)
Hopkins, E. W., 2: 29; 3: 209 (177), 211 (176), 367, 377 (124), 378, 390 (44) (44)Hoppe, P. E., 3 (78), 480 (37) 3: 292, 293; 4: 165 (78), 480 (37) Hopwood, F. L., 5: 14 Horikawa, Y., 5: 550 Horlacher, W. R., 5: 22 (117), 33 Horlacher, W. R., 5: 22 (117), 33 (117, 118)
Horn, E. E., 2: 187 (62)
Hornberger, R., 4: 587 (147a)
Horne, A. S., 2: 257, 485; 5: 275
Horner, C. K., 3: 213 (54), 216 (53), 219 (53, 55)
Horner, G. M., 3: 388 (45)
Hors, W. H., 4: 641, 644, 5: 329, 330
Horsfall, J. G., 2: 511 (46), 513 (47), 516 (46, 47), 517, 591 (54), 596 (54)
Hort, E. C., 4: 635, 636, 646, 647
Horton, R. E., 4: 55 (49)
Hosono, S., 1: 468, 469 (35), 470
Hotchkiss, W. O., 1: 48
Hotson, J. W., 1: 349
Howard, A., 3: 198, 200 (179) 211 (179) (179)Howard, F. L., 1: 410 Howard, F. L., 1: 410 Howard, G. L. C., 3: 211 (179) Howart, J. L., 2: 176 (90), 188 (90) Howe, M. A., 5: 51 Howell, J. W., 5: 628 Howes, E. L., 3: 508, 512 (47) Howitt, F. O., 4: 518 Howitt, J. E., 1: 501 (46) Howland, R. B., 3: 14 Howlett, B. A., 1: 370 Howlett, F. S., 4: 589, 590 (149, 150, 151), 591 (151), 594, 598 Houard, C., 5: 289 (113) Houdek, P. K., 1: 47 (31); 5: 628, 630 Houghtaling, H., 2: 208 (47) Houghton, W., 4: 397 Houston, R. A., 4: 514 (54)

Hoyt, W. D., 2: 555 (5), 559 (5) Hoxmeier, M. C., 4: 590 (148) Hruby, K., 2: 573 (31); 5: 24 (119) Hsu-Siang, W., 2: 531 (29), 532 (29), 534 (29), 536 (29) Hübbenet, E. R., 2: 8 (284) Huber, B., 3: 56 (22), 64; 5: 373, 377, 378, 379, 425, 471, 488 Hubert, B., 2: 9; 4: 514 Hübl, P., 3: 596 Hudson, P. S., 2: 37 (585), 38 (585) Hughes, A. E., 2: 183 (150) Hughes, H. D., 3: 196 (411), 199 (411) (411)Hughes, H. J., 2: 183 (64) Hughes, R. D., 5: 27 (120) Hughes, W., 2: 175 (63) Hull, K. L., 2: 249 Hume, E., 3: 628 Hume, E. M. M., 5: 386, 405, 406, 415, 423 Humfeld, H., 4: 410 (100) Humphrey, H. B., 1: 348; 2: 498 (136)
Humphrey, L. M., 2: 198 (22, 32), 200 (32), 204 (32), 205 (32), 208, 209 (32), 537 (92), 542 (92)
Humphries, W. R., 2: 520 (50)
Huneke, A., 3: 215
Hunt, G. A., 4: 628, 643, 644, 650, 652
Hunt, K. W., 5: 110, 111
Hunter, A. W. S., 2: 533; 5: 26 (123) (136)(123)Hunter, J. H., 2: 179; 4: 187 (3) Hurd, A. M., 2: 269 (72), 509 (49) Hurd-Karrer, A. M., 2: 24, 28, 32 (214), 127, 187 (65, 66), 376, 383 (41), 384, 385, 388, 391, 392, 393, 593 (72) Hursh, C. R., 4: 170
Hursh, C. R., 4: 170
Hurst, C. T., 4: 641, 643
Hurst, W. M., 2: 520 (50)
Hurt, R. H., 2: 593 (46), 595 (47)
Husain, M. A., 5: 279
Huskins, C. L., 1: 478 (36, 37), 486;
2: 201 (23), 532 (34, 35), 533
(34), 537 (35), 542 (35), 544;
2: 254, 255, 340, 594, 598; 5: 26 (123), 28 (123), 29 (121, 122), 30 (123), 31 (123), 566, 573, 582, 583, 608, 609, 611, 613, 614
Husmann, G. C., 5: 296
Husted, L., 5: 25 (124), 31 (124)
Husz, B., 1: 417
Hutchings, I. J., 4: 482 Hutchings, I. J., 4: 482 Hutchings, S. S., 2: 45 (217), 4: 68

Hutchinson, A. H., 1: 194, 198; 2: 41 Hutchinson, H. B., 3: 149, 199 (180), 200 (181), 216 (180), 311 (48); 4: 411 (80) Hutchinson, J., 1: 78 (37), 468 (39); 5: 98, 99 Huttig, W., 4: 593 (152) Hutton, W., 4: 207 Huxley, J. S., 2: 113 (219), 142, 144 Hyde, F. F., 1: 85, 86

Ichijima, K., 5: 32 (125) Ichikawa, C., 4: 591 Ikari, J., 2: 561 (6) Ikeno, S., 1: 239 (42) I'Lin, G., 3: 88 (84) Iljin, V. S., 2: 11 (558); 3: 12 Illick, J. T., 2: 342 Illingworth, J. F., 1: 454; 5: 311 Illingworth, J. F., 1: 454; 5: 311 Imai, S., 4: 418 (81) Imai, Y., 1: 235 (43, 44), 237 (44), 239 (44); 3: 549 (18, 19, 20), 555 (20), 556 Imamura, A., 2: 249 Imamura, A., 2: 249 Imsenecki, A., 4: 92 Inaba, T., 4: 604 (421) Ingalls, R. A., 5: 539 Ingersoll, L. R., 1: 48 Ingram, D. C., 5: 195 Ingram, J. W., 5: 241 (41) Irmscher, E., 4: 602 (155) Irving, A. A., 4: 501 (111), 513 (111)Irwin, M., 2: 293 (53, 56), 294 (66) 1rwin, M., 2: 293 (53, 56), 294 (66), 295, 299 (61-65, 67), 300, 304 (64); 3: 8, 11, 15, 22 Isaac, L. A., 4: 247 (34), 264 (34) Isaac, W. E., 2: 180 (67) Isenbeck, K., 1: 122 Ishii, T., 2: 537 (37); 4: 447; 5: 355 Israilsky, W. P., 1: 414; 3: 505, 507, 510 Ito, 1., 5: 003 Itzerott, D., 5: 334 Ivanoff, S. S., 1: 415; 4: 631 Ivanov, L. A., 1: 358 (73), 360 (70), 363 (72), 366 (71); 2: 38 (220) Ivanova, V. S., 3: 105 (86), 120 (85, 86), 121, 133 (86) Iven, H., 5: 20 (126) Iversen, I. 3: 447

Iversen, J., 3: 447 Iwanoff, K. S., 5: 214 Iwanoff, N. N., 1: 260; 4: 140 (77)

Iwata, J., 2: 537 (40), 541, 542 (40), 546 (38)
Iyer, C. R. H., 2: 182 (68); 3: 199 (182, 183)

J

Jaag, O., 2: 28 Jaccard, P., 1: 58 (28), 64; 2: 28, 222; 5: 541 222; 5: 541 Jachimsky, H., 1: 272 Jacks, G. V., 2: 174; 4: 184 Jackson, G., 1: 86 (39); 5: 103, 106 Jackson, H. S., 1: 348 Jacobs, M. H., 2: 285 (69), 286 (71), 291 (68), 292 (68, 70), 300 (68); 3: 2, 11 Jacobsohn, S., 5: 18 Jacobson, L. A., 4: 68 (96) Jacques, A. G., 2: 285, 288 (74, 77, 79, 80), 289 (77), 290 (79), 291 (78), 292 (72, 73), 293 (75, 76, 79), 295, 298 (72, 73, 80), 299 (80), 300 (77); 3: 20, 317 (49) (80), 500 (77); 3: 20, 317 (49) Jacquot, R., 5: 328 Jacger, M., 2: 420, 422 Jahnel, H., 5: 488 Jakhanwal, G. P., 4: 431 (43) James, W. O., 2: 5 (222), 7, 23 (222), 3: 61 Jamieson, G. S., 4: 150 Janchen, E., 4: 40 Jancke, O., 2: 269 (73); 5: 293 Janczewski, E. de, 5: 375, 386, 389, 392, 393, 401, 406, 409, 411, 423, 424 Janicki, J., **4:** 140 (43) Janot, M., **4:** 603 (156) Jansen, B. C. P., **2:** 43 Jansen, B. C. P., 2: 43
Jansen, P., 3: 596
Jansen, P., 3: 596
Jansen, E., 5: 628
Janssen, G., 3: 153 (129)
Jardine, J. T., 5: 173
Jarvis, T. D., 1: 497 (48), 498
Javillier, M., 2: 173; 4: 194; 5: 210,
211 (53), 214 (47), 216 (21, 50,
52), 220 (48), 221 (50), 222
Javoronkova, J. P., 1: 408 (45)
Jeffrey, E. C., 1: 433 (23), 441 (23);
5: 396, 440, 566, 587, 610
Jeffs, R. E., 2: 105
Jegorow, M. A., 3: 201 (184) Jegorow, M. A., 3: 201 (184) Jenkin, T. J., 4: 65, 72 Jenkins, J. A., 5: 580 Jenkins, M. T., 3: 291 Jenkins, S. H., 4: 407 (82), 411 (82) Jenman, G. S., 3: 460, 461, 467, 468, 469, 472, 488 Jenny, H., 1: 228; 3: 327; 5: 532 Jensen, C. O., 2: 442 Jensen, H. L., 3: 198 (185), 417

Jensen, J. H., 1: 10, 11; 4: 551 (78), 554 (78) 554 (78) Jensen, J. L., 2: 499; 4: 429 Jentsch, A., 3: 205 (186) Jentys-Szafer, J., 5: 644 Jepson, W. L., 4: 376, 380 Jern, H. Z., 3: 508, 512 Jessen, K., 1: 39, 42 Jewett, H. H., 5: 301, 302 Jimbo, T., 1: 47 (33) Jirovec, O., 2: 16, 91 (27) Job, M., 1: 123 Jodidi, S. L., 3: 157 (89) Joffe, J. S., 4: 172 (158) Johann, H., 2: 250 Johansen, A. C., 3: 411, 429 Johansen, D. A., 1: 484; 3: 249, 251 (32)Johansen, W., 1: 233 (45) Johansson, N., 2: 126 John, E., 3: 216 (187) John, K., 4: 97 Johnson, A. G., 2: 375 (27), 391 (27), 499 (71), 500 (71, 72), 503 (52) Johnson, A. H., 1: 256 Johnson, C. G., 5: 276 Johnson, D., 4: 174 (81) Johnson, D. F., 2: 86 (28), 89 (28), 91 (28) Johnson, D. S., 2: 59 (20), 60 (20) Johnson, E. L., 5: 13 (131), 20 (128), 22 (127, 129, 132), 23 (127, 130) Johnson, E. M., 4: 436, 555 (79) Johnson, E. S., 1: 362 (67), 363 (68); 5: 656, 663, 668 (24) Johnson, H. W., 1: 453; 4: 641, 644; 5: 300, 301, 302 Johnson, J., 1: 1, 9 (26), 411, 453, 497 (56); 2: 518 (53); 4: 555 (81) Johnson, J. C., 4: 91 Johnson, L., 4: 68 (51) Johnson, L. B., 5: 18 (133) Johnson, L. P. W., 3: 600 Johnson, M. A., 2: 356 (25), 357, 361 (25); 3: 554 Johnson, M. O., 4: 188 (58–61) Johnson, T., 1: 127, 131, 502 (50, 51), 503 (51), 506 (49); 2: 267, 269; 4: 232 Johnston, C. L., 3: 293 Johnston, C. O., 1: 122, 131, 506 (52); 2: 268 (78), 270 (77), 506 (77), 510 (55) Johnston, E. S., 2: 9, 46 (228), 111 (228), 122, 176 (71); 3: 311, 321 (52), 328 (52); 4: 184, 192 (64)

Johnston, I. M., 3: 345 Johnston, J. R., 1: 335 (10) Johnstone, K. H., 1: 503 (53), 504 (53) Johnstone-Wallace, D. B., 3: 205 Johnstone-Wallace, D. B., 3: 205 (189, 190) Jollos, V., 5: 23 (134, 135) Jolly, M. S., 2: 33 (503) Jones, D. F., 1: 277 (35); 4: 276, 597; 5: 575, 579, 585 Jones, D. L., 4: 265 Jones, E. T., 2: 184 (33); 4: 190 Jones, F. R., 1: 412, 453; 2: 264; 5: 299 (129) Lones, G. H. 2: 510 (56) Jones, G. H., 2: 510 (56) Jones, H. A., 4: 238, 602 (299); 5: 582, 590, 591 Jones, J. F., 1: 445 (20) Jones, J. P., 4: 184, 189 Jones, K. L., 4: 598 (158) Jones, L. H., 3: 321 (53) Jones, L. I., 4: 66 Jones, L. R., 1: 497 (54, 56), 498 (55); 2: 237, 489 (37, 38) (55); 2: 237, 489 (37, 38) Jones, M., 4: 70, 71 Jones, R., 5: 137, 138, 141 Jones, R. P., 4: 71 Jones, T. E., 3: 209 (191) Jones, W. N., 2: 41 (229); 3: 216 (188), 545; 5: 459 (34) Jong, de, J. K., 5: 283, 284, 285, 287 Jongmans, W. J., 1: 395 (26), 185; 4: 217 4: 217 Jönsson, B., 2: 574 (40) Jordan, E., 2: 517 (57) Jordan, P., 5: 12 Jorde, I., 4: 136 (13) Jorge, 1., 4: 136 (13) Jørgensen, C. A., 2: 198 (24), 200 (24); 3: 557 Jørstad, L., 2: 503 (127) Joseph, H. C., 4: 247 (36) Joshi, A. C., 1: 82 (40); 5: 107 Joshi, N. V., 3: 213 (192), 216 Jost, L., 4: 278 Joyet-Lavergne, Ph. 4: 502 (150) Jost, L., 4: 278
Joyet-Lavergne, Ph., 4: 583 (159), 584 (159), 585, 586, 587, 601 (159), 602; 5: 355, 362
Juday, C., 1: 359 (18)
Judson, J. E., 5: 102
Juha, V., 4: 594 (168)
Juliano, J. B., 1: 79 (41–44)
Juller, E., 4: 137 (14)
Jumelle, H., 3: 529
Jungers, V., 5: 392, 393
Jüngling, O., 5: 2 Jüngling, O., 5: 2 Jurányi, L., 2: 71 (8) Jussieu, A. de, 4: 31 (55), 38 Just, Th., 5: 97

Kabeshima, T., 3: 501 Kadow, K. J., 2: 593 (48) Kaempfert, W., 1: 360 (135); 2: 11 Kagawa, F., 1: 467, 471 (42, 43), 475 (43)Kahane, O., 2: 51 Kahn, M. C., 4: 639, 644, 650, 652 Kakizaki, Y., 4: 284, 285, 315–326, 330, 345, 346, 355, 356 Kaltenback, D., 4: 419 (83) Kaltschmidt, H., 3: 631
Kaltschmidt, H., 2: 13 (258)
Kalyani, V. V., 3: 121 (46)
Kamat, M. N., 1: 503 (112)
Kambe, K., 4: 492 (80)
Kamerling, S. E., 2: 286 (109), 288
(81), 293 (81), 298 (81)
Kamiya, N. 5: 587 588 Kamiya, N., 5: 587, 588 Kammer, A., 3: 478 Kanel, E., 4: 146, 147 (79) Kanna, B., 1: 239 (46) Kanter, R. M., 5: 224 (55) Kanter, R. M., 5: 224 (55)
Kaplan, R., 5: 455 (35)
Kapp, L. C., 2: 183 (72)
Kapshuk, A. A., 1: 417
Karling, J. S., 2: 98 (231); 3: 535
Karmarkar, D. V., 3: 100 (90)
Karpechenko, E. D., 2: 125 (106)
Karpechenko, G. D., 1: 104, 112; 2: 201 (25, 26); 3: 246
Karper, R. F. 4: 265 Karper, R. E., 4: 265 Karraker, P. E., 3: 205 (193), 206 (194)Karrer, P., 3: 631 Karsten, G., 4: 672 Karström, H., 3: 92 (280), (102)Karunaker, P. D., 3: 213 (195) Kasahara, Y., 2: 129 (250); 4: 418 (88)Kasai, M., 4: 571 Kasai, M., 4: 571
Kaserer, H., 3: 206
Kasinath, S., 3: 199 (21)
Kastens, E., 3: 53
Kastle, J. H., 2: 420
Katalymov, M. V., 2: 185 (73)
Katayama, Y., 1: 480, 482, 484, 485, 486; 5: 30 (139), 32 (139, 140)
Kato, K., 2: 537 (39, 40), 540 (39), 542 (39, 40)
Katsurai, T., 2: 7 (529)
Kattermann, G., 1: 482
Katunskij, V. M., 4: 582 (170, 171), 601 (169) 601 (169) Katz, N. J., 1: 214, 220, 225, 226 Katznelson, H., 3: 379, 499 Kauffman, C. H., 4: 413 (84), 633

Kauffmann, F., 1: 412 (49), 414; 2: 442; 3: 505, 510 Kauffmann-Cosla, D., 5: 221 (56), 225 (58) 225 (58)

Kaufmann, B. P., 2: 529; 3: 241
(35); 4: 450, 454; 5: 27 (141,
142), 566, 574, 597, 603, 613, 675

Kaufmann, O., 2: 175 (74)

Kavanagh, F., 5: 328, 339, 340

Kawakami, J., 1: 484

Kearney, T. H., 5: 162 (64)

Kearns, H. G. H., 2: 588 (49), 595
(49); 4: 434 (25)

Keaton C. M. 3: 515 (74) (49); 4: 434 (25)
Keaton, C. M., 3: 515 (74)
Keck, D. D., 3: 340, 598
Kedrovsky, B., 3: 3; 4: 456
Keen, F. P., 5: 198
Keener, P. D., 4: 491 (38)
Keil, W., 4: 156
Keilin, D., 2: 40 (233)
Keitt, G. W., 4: 632, 633, 645, 646
Keller A 3: 200 (270) Keller, A., 3: 209 (270) Keller, P., 1: 46 Keller, R., 4: 586, 587; 5: 354, 357 Keller, W., 4: 65 (104) Kellerman, K. F., 2: 126, 259; 3: 205 (197)Kellerman, W. A., 4: 602 Kelley, A. P., 5: 189 (66) Kelsall, A., 2: 588 (50, 51) (51), 593 (50, 51), 595 (50) Kemmer, E., 2: 421 Kemp, T., 2: 449 Kendall, A. I., 4: 644 Kendall, J., 1: 414; 5: 290 (130), 291, 292 Z91, 292 Kennedy, C., 3: 100 (172) Kennedy, P. B., 5: 489 Kenoyer, L. A., 4: 53; 5: 547 Kent, G. C., 4: 488 Kenyon, W. A., 3: 318 (57) Kerling, L. C. P., 1: 9; 4: 551 (83), 553, 569 (83) Kerner, A. 3: 460, 462, 474, A. 21 Kerner, A., 3: 460, 462, 474; 4: 21, 23, 24
Kerns, K., 3: 156 (91)
Kerr, A., 4: 263
Kerr, T., 1: 55 (29), 56, 57, 69, 70;
2: 484; 3: 11, 17, 21, 22
Kersting, F., 5: 359
Kertesz, Z. I., 2: 490; 5: 539
Keur, J. Y., 1: 10
Keyssner, E., 1: 413 (51); 3: 125
Kharbush, S. S., 2: 269
Kidd, F., 1: 254, 258; 3: 560 (23);
4: 69, 240, 432
Kidston, R. E., 1: 185, 383 (28, 30), 384 (27, 28), 385 (28, 30.), 387, 389 (30), 390 (29, 35), 399 (32), 23, 24

431, 434, 435, 444 (26); 2: 69, 405 (38), 406 (35, 36, 37), 407, 409 (37), 410; 3: 563, 584 (22), 585, 589; 4: 218, 219, 220 (28) Kielin, D., 5: 223 (59) Kienholz, J. R., 4: 634, 646 Kiesel, A., 3: 92 (93, 94), 93 (95) Kiesselbach, T. A., 2: 507 (58, 59), 521 (58, 59) 521 (58, 59)
Kiger, C. M., 2: 510 (1), 516 (1)
Kihara, H., 1: 238, 467, 469 (51, 57),
470, 471 (56, 59), 472 (86), 478
(60), 479, 480, 481, 482, 484; 2:
342; 4: 583 (175); 5: 29 (143)
Kihlman, A. O., 3: 441
Killian, C., 4: 144 (168), 146 (168),
156 156 Killough, D. T., 5: 22 (117), 33 (117, 118) Kimball, H. H., 1: 356 (76), 357; 2: 2 (235)

Kimura, S., 3: 514 (51)

Kind, W., 2: 134

King, C. G., 4: 523

King, C. J., 4: 165 (84), 438

King, F. H., 3: 205 (198)

King, R. L., 3: 6, 7, 12, 205 (198); 5: 132, 589, 592, 595

King, W. V., 5: 281

Kingery, L. B., 3: 622; 5: 213 (85) 328, 329 (40), 335 (40), 339

Kinnersley, H., 3: 623 (78)

Kinoshita, K., 4: 149 (81), 155

Kinzel, W., 2: 44 (237)

Kirby, R. S., 2: 503 (60)

Kirchheimer, F., 2: 399 (39)

Kirchheimer, F., 2: 399 (39)

Kirchheimer, O., 4: 35

Kirichenko, F. G., 4: 596, 606

Kirkpatrick, T. W., 1: 6 (31); 5: 244 (43), 246 (43)

Kisch, R., 5: 582

Kiselev, N. N., 3: 529

Kishi, Y., 2: 24, 25 (238)

Kisser, J., 1: 57, 70 (31); 2: 420, 486

Kistiakowsky, G. B., 2: 6 (239)

Kite, G. L., 5: 352

Kivinen, E., 5: 189

Kiyohara, K., 4: 522 (58)

Klaphaak, P. J., 4: 435

Klapp, E. L., 4: 65 (56)

Klebahn, H., 2: 270 (83), 470; 3: 560; 4: 571, 572

Klebs, G., 2: 248; 4: 637, 643, 644

Klebs, G., 2: 26, 36 (241), 105, 107, 127, 141; 3: 3, 5; 4: 511, 512, 581, 598, 606; 5: 343

Klee-Rawidowicz, E., 2: 449

Klein, G., 1: 413; 2: 420; 3: 88, 92 Kimball, H. H., 1: 356 (76), 357; 2: 2 (235) Klee-Rawidowicz, E., 2: 449 Klein, G., 1: 413; 2: 420; 3: 88, 92

(96, 103, 104), 132 (97), 149, 151, 152, 188 (75), 539 (53) Klein, H. M., 5: 587, 588 Klein, L., 4: 99, 103, 105 Klemm, P., 3: 7 Kliem, F., 5: 457 (36), 459 (36), 460 (36), 463 Klimek, J., 4: 86 Klotz, L. J., 2: 177 (53, 54); 4: 570 (67)Klugh, A. B., 1: 359 (78), 364 (77); 2: 103 (242) Kluyver, A. J., 4: 107 Klyushimkova, E. S., 4: 407 (86), 412 (86) Knapp, E., 3: 187; 5: 10, 27 (145), 76, 582 Knaust, Henry, 4: 410 (87) Knaust, Herman, 4: 410 (87) Knaysi, G., 4: 83, 651, 652 Kniep, H., 1: 457; 3: 526, 528, 529; 4: 583 (179), 641, 644; 5: 457 (37) Knight, B., 3: 623 Knight, B. C. J. G., 4: 479 (40), 482, 483 Knight, H. G., 2: 187 (76)
Knight, H. H., 5: 279
Knight, L. J., 4: 593 (180)
Knight, M., 2: 559 (7, 8)
Knight, S. H., 2: 374, 383
Knight, T. A., 5: 132, 133, 149
Knodel, H., 4: 590 (181)
Knoll, J. G., 4: 55, 73 (57)
Knotel, A., 4: 3 (18)
Knott, J. E., 2: 38, 41, 144 (244), 180 (77, 78); 3: 270; 4: 187 (68), 600 (182)
Knowlton, F. H., 4: 375 (35), 387 Knight, H. G., 2: 187 (76) Knowlton, F. H., 4: 375 (35), 387 (36), 384 (37), 386 (36), 387 (36), 388 (38) Knowlton, G. F., 5: 308 Kobel, M., 5: 222 Koch, A., 4: 102; 5: 413, 426 Noch, A., 4: 102; 5: 413, 420 Koch, K., 1: 170 (28); 2: 51, 144 (246); 3: 180 Koch, L., 5: 454 (38, 39), 456 (38, 39), 458, 459, 461, 462 Koch, M. F., 5: 107 Koch, B. 4: 628, 630 Koch, R., 4: 628, 630 Koehler, B., 2: 503 (61, 62), 507 (61, 63), 508 (63), 510 (62), 515 (44); 3: 291, 292, 293 Koepfli, J. B., 5: 673 Koernicke, M., 5: 2, 22 (148), 25 (147)Kofoid, C. A., 4: 571 (86) Kögl, F., 1: 165, 166 (29, 33), 167, 174, 175, 177; 2: 48, 98 (247); 3: 619, 627, 628, 629; 4: 154 (82),

484, 485 (41), 489 (42); **5**: 328, 338, 339, 658, 667, 671, 672 Kohl, F., 3: 196 (275) Köhler, A., 5: 18 Köhler, E., 3: 477 Köhler, G., 2: 138 (369) Köhler, K., 4: 119 Kohn, R., 3: 197 (200), 198 (200) Kok, A., 5: 493 Kôketsu, R., 3: 528 (55) Kokin, A., 2: 125 (248) Kolb, M., 2: 490 (42) Kolderup-Rosenvinge, L., 4: 667 Kolk, L. A., 1: 332
Koller, P. C., 5: 595, 610, 613
Koltzoff, N. K., 2: 531; 5: 598, 614
Kommerell, E., 2: 5 (249), 45
Komuro, H., 5: 2, 3, 20 (150), 25
(149, 151, 152), 26 (149–152)
Komdô, M., 1: 236 (48); 2: 129; 4: 263, 418 (88) Koning, H. C., 3: 190; 4: 514, 515 Koningsberger, V. J., 5: 656 (64), 667, 668 (64) Konishi, K., 3: 371 (49) Koos, K. H., 2: 200 (31) Kopac, M. J., 4: 647 Kopaczewski, W., 2: 490 Koriba, K., 4: 598 Kornmann, P., 5: 480 Korody, E., 5: 456 (40), 459 (40), 460, 461 Korsakova, M. P., 3: 213 (201), 390, 367 (51) Korschelt, P., 5: 455 (41), 456, 458, 459
Korschikow, A. A., 1: 153 (13)
Korschikow, G. A., 1: 61
Korstian, C. F., 1: 360 (82), 362 (80), 367 (81); 4: 440; 5: 157, 181, 183, 186, 538
Korteweg, R., 4: 128
Kosaka, H., 2: 12
Koshy, T. K., 2: 531 (48), 532 (48), 534 (48), 536 (48), 538, 539, 542 (48), 545 (48); 5: 566
Kosinski, I., 5: 208 (60), 216 (60), 226 459 226 Kossikov, K. V., 5: 5 (213) Kossovich, P., 3: 200 (202) Kossowicz, A., 5: 334 Kostermans, D. G. F. R., 1: 166 (33), Kostjucenko, I. A., 4: 595 (184) Kostoff, D., 1: 102 (20), 111, 414, 482, 483; 2: 447, 451; 3: 599; 4: 595 (185); 5: 27 (153, 155), 135, 138, 142, 143, 145, 146, 147, 148, 200 201 202 580 508 601 612 290, 291, 292, 589, 598, 601, 615

Kostytschew, S. R., 1: 358, 361 (83–88), 362; 3: 197 (203); 4: 144 (84), 145 (86), 146 (85); 5: 219 (61) Kotila, J. E., 2: 518; 3: 504, 510, 512; 4: 185, 571 (87); 5: 302 (137) Kotilainen, M. J., 3: 426, 427, 433 Kotok, E. I., 5: 194 Kotte, W., 1: 408 (56), 409 (56); 2: 423, 424, 425, 426, 427, 429; 3: 629 Koughan, A. B., 5: 175 Kovalev, A. A., 3: 393 Kozlowski, A., 4: 194 (70) Kozo-Poljanski, B., 5: 113 (45) Krabbe, G., 3: 191 Kraebel, C. J., 5: 193 Kraentzel, G., 1: 433, 434 (27) Krajevoi, S., 4: 596; 5: 23 (157), 24 (156)Kramár, E., 4: 95 Kramer, P. J., 2: 134; 3: 264; 5: 193 (72)Kramer, S. P., 3: 500 Krascheninnikoff, T., Krasniuk, A. A., 4: 352 Krasnuk, A. A., 4: 352
Krasnoseljskaja-Maximov, T. A., 2: 8 (308), 124 (308); 4: 595
Krasser, F., 2: 408 (40), 412 (41)
Krassinski, N. P., 5: 362
Kraus, E. J., 2: 25, 26, 27, 39 (440); 3: 104 (105), 108 (105), 137 (105), 153, 154 (105), 155 (105), 161 (105); 4: 190, 581, 590 (189), 606 (188)Kraus, G., 2: 105 Krause, J., 2: 500 (64) Krause, K., 2: 573 Krause, K., 2: 573
Kräuse, R., 1: 185, 191, 192, 383
(33), 384, 385, 387, 389 (37, 38), 390 (34), 391 (38), 393 (36, 40), 394, 396, 397, 398, 399, 440, 442, 405
(43, 44); 3: 568, 574, 575, 576
(32), 577, 579, 590; 4: 225
Kraybill, H. R., 2: 25, 27, 29; 3: 108
(105) 137 (105), 153, 154 (105), 155 (105), 161 (105); 4: 190, 581
Krebber, O., 3: 217 (204)
Kreitmair, H., 4: 151
Krenke, N. P., 3: 545 (25), 547, 550, 553 (25), 555, 556, 557, 558
Kresling, E. K., 4: 148
Kressin, G., 5: 363
Kretschmer, H., 2: 462, 463, 464 Kretschmer, H., 2: 462, 463, 464 Kreusler, U., 4: 591 (190) Krick, H. V., 4: 206 Kroeker, E. H., 4: 150 (89) Krompecher, E., 2: 448

Kronenberg, H. G., 4: 594 (24) Krüger, M., 2: 351 (28) Krüger, W., 4: 190, 191 (72), 195 Kruis, K., 4: 91 Krumbholz, G., 2: 351, 353 (29), 356, 357 (29), 358; 3: 554; 4: 116, Kryshtofovich, A. N., 2: 403 (45); 4: 376 4: 376
Kruyt, H., 2: 482 (44)
Kucera, C., 3: 625, 628
Kuckuck, H., 1: 239 (49)
Kühl, O., 4: 308-310
Kühl, R., 2: 352, 358; 5: 459 (42)
Kuhla, F., 5: 388, 390, 413, 414, 415
Kuhn, E., 4: 583 (191), 594
Kühn, J. G., 2: 499
Kuhn, M., 4: 21, 32, 43
Kuhn, R., 2: 13 (257): 3: 631 Kuhn, R., 2: 13 (257); 3: 631 Kühne, W., 4: 503 Kuijper, J., 2: 176 (79); 4: 185, 599, 601 (192) Kuilman, L. W., 2: 12 Kulkarni, C. G., 2: 342 Kultzscher, M., 3: 130 Künemund, A., 1: 58, 65, 70 Künkel, L. O., 1: 1, 453; 2: 254, 421; 4: 435, 436, 454 (31), 551 (88, 89), 553, 555 (90), 569 (89); 5: 242 (46), 245 (44), 248 (44), 249, 252, 256 (46), 475 Kunze, G., 3: 198 (205), 467, 480, 481 Kupper, W., 4: 119, 120 Kurozawa, E., 4: 646 Kurozawa, E., 4: 646 Kurssanow, A. L., 1: 360 (90); 4: 133 (15), 136 (16) Kusano, S., 2: 579 Küsser, W., 4: 151 Küster, E., 2: 105, 420, 421, 448; 4: 500 (63), 505 (65), 507, 512, 513 (63), 515 (64), 518 (65), 548, 644, 646; 5: 290, 351 Küster, H. 2: 48 646; 5: 290, 351 Küstner, H., 2: 48 Kuwada, Y., 1: 190; 2: 532 (50), 537 (52, 54, 55, 57), 540, 542 (58), 543 (56, 58), 544 (51); 3: 254 (37); 4: 447, 448 (20), 450, 452, 454, 455, 459, 460; 5: 567, 587, 605, 611, 613 Kužela, J. O., 4: 90, 92 Kuz'mina, K. A., 3: 529 Kvlin, H. 1: 138, 222, 223, 2, 224 Kylin, H., 1: 138, 222, 223; 2: 224, 554, 555, 558, 559 (11), 560 (12), 561 (10, 11, 12); 4: 65 (58), 132 (17), 667; 5: 361 Laan, P. A. van der, 1: 170 (37); 3:

184 (36)

Labrousse, F., 4: 415 (90), 417 (89) Lacey, M. S., 1: 411; 4: 571 Lachaume, V., 4: 402 (91), 417 (91) Lachaume, V., 4: 402 (91), 417 (91) Lachmann, M. P., 3: 474 Lackey, C. F., 1: 9; 5: 265 Lackey, J. B., 2: 86 (30) La Cour, L., 3: 241; 5: 586 La Flize, S., 3: 205 Lagatu, H., 4: 184 (74) Lagerberg, J., 2: 574 (46), 575 Laibach, F., 1: 165 (39), 166 (38), 174 (39), 175, 176 (39); 2: 49, 98 (263); 4: 581 (195), 604 (195); 5: 480, 484 Laine, T., 3: 383 (106): 5: 541 5: 480, 484
Laine, T., 3: 383 (106); 5: 541
Laird, D. G., 3: 214 (207), 378 (53), 392, 503, 504, 513, 514, 517 (53)
Lal, K. N., 1: 362 (156a)
Lam, H. J., 3: 408, 409
Lamanna, C., 4: 92, 105
Lamb, H., 1: 448
Lamb, I. M., 1: 344
Lamb, M. A. 1: 188 Lamb, M. A., 1: 188 Lamb, P. H., 4: 434 Lambert, E. B., 4: 397 Lambert, J., 5: 14 (158) Lammerts, W. E., 5: 29 (159) LaMotte, R. S., 4: 380 (40), 388, 389 (40)Lamounette, B., 5: 421 Lampert, R., 3: 508, 515 Lamprecht, W., 2: 420, 421 Lancefield, R., 4: 95 Landen, E., 5: 19 (160) Lander, C. A., 4: 522 (66) Lane, G. H., 1: 41, 46 (35), 48 (35); 5: 648 5: 648
Lang, W., 2: 501 (66)
Lang, W. H., 1: 271, 383 (28, 30), 384 (27, 28), 385 (28, 30, 31), 387 (44), 389 (30, 43, 44), 390 (29, 35), 391 (45), 393, 396, 397 (41, 42), 398, 399 (32), 444 (26); 2: 405 (38, 46, 47); 3: 563, 567, 569, 574, 578, 584 (22), 585, 589; 5: 434, 441 Langdon, L. M., 1: 188 Lange, F., 2: 351 (32, 33), 356, 358, 367 (32); 3: 553, 554, 555, 631 Lange, S., 2: 101; 5: 657 Lange, S., 2: 101; 5: 057 Langendorff, H., 5: 2 Langeron, M., 4: 88, 634, 645 Langlet, O., 3: 402, 428 Lapham, M. H., 5: 295 Lappalainen, H., 5: 211 (62) Larsen, C., 2: 374 (34), 382 (34) Larsen, L. D., 5: 310 Larsen, P., 2: 29 Larsinos, G. J., 3: 152 (11)

La Rue, C. D., 2: 420, 421; 4: 645, Lasseur, Ph., 4: 84, 96, 97, 107 Lassimonne, S. E., 4: 39 Latham, D. H., 1: 331, 332 Latham, M. E., 5: 208 (63) Lathrop, E. C., 3: 148 (107) Laubengayer, R. A., 5: 101 Laude, H. H., 3: 293 (6) Laumont, P., 3: 605 Laurent, H., 2: 6 (265), 16 (265) Laurent, E., 4: 590 (196) Laurent, M. J., 4: 583 (197), 590 (197)Laurie, A., 2: 118, 122, 136 (268), 138 Laurie, A., 2: 118, 122, 136 (208), 138
Lawrence, E. O., 5: 17 (161)
Lawrence, J. H., 5: 17 (161)
Lawrence, J. R., 5: 107
Lawrence, J. V., 3: 13; 5: 162 (51),
534, 535, 538
Lawrence, W. J. C., 1: 113, 239 (50);
2: 207; 4: 284, 338, 339, 340, 341,
342, 345; 5: 371
Lawrenz, M. 2: 188 (12) Lawrenz, M., 2: 188 (12) Lawson, A. A., 1: 189, 193, 194; 3: 608 608
Lawton, E., 3: 475, 476, 478, 479, 480;
5: 441, 442, 446, 448
Layton, D. V., 2: 507 (98)
Lazar, O., 3: 625
Lazarev, P. P., 2: 16 (269)
Lazenby, W. R., 5: 190 (73)
Lea, D. E., 5: 12 (162), 18 (162)
Leach, J. G., 1: 330, 410, 448; 2: 265 (86), 270; 5: 242, 282, 283, 299
Leach, R., 4: 193; 5: 283 (144), 284, 285 285 285
Leach, W., 1: 250, 251, 257, 259
Leachey, A., 3: 197 (421)
Lean, O. B., 5: 282 (145)
Lease, E. J., 2: 19, 23 (546)
Leavenworth, C. E., 3: 140 (199)
Lebedeff, A. F., 2: 10
Lebedeff, V. N., 1: 481
Lebedeva, E. A., 4: 91, 92
Lebedincev, E., 4: 595 (198)
Lebedintsev, E. V., 2: 8 (308), 124 (308) (308)Leblond, C. P., 2: 43 (160); 4: 516 (39, 40, 41) Leclercq, S., 1: 430, 438 (33) Le Clerg, E. L., 2: 518; 5: 328 Lecomte, H., 4: 571 (94); 5: 375, 377, 383, 384, 385, 386, 390, 391, 392, 401, 404, 409, 410, 412, 413, 415 415 Ledeboer, M. S. J., 5: 328, 332, 338 Lederer, B., 3: 19, 20; 5: 359 Lederer, E., 2: 12

Lee, B., 1: 71 Lee, H. A., 2: 511 (67); 4: 167, 169, 170, 174 (51), 190 Leefmans, S., 5: 284 Leeper, G. W., 2: 182 (80) Lees, A. H., 5: 298 (148) Leeuwenhoek, A. van, 4: 497, 498 Leeuwen-Reijnvaan, J. van, 5: 289 (58, 59)Le Fanu, B., 2: 52 (511), 129 (511), 144 (510) Léger, L. J., 4: 559 (95), 564, 565 (95); 5: 399, 400, 409, 410, 412, 416, 421, 422, 423 Leggatt, C. W., 5: 505 Lehmann, E., 4: 119, 123, 128, 284, 291 Lehmann, J. V., 2: 269 Lehmann, K. B., 4: 99 Leifson, E., 4: 99, 106 Leighton, M. M., 1: 39 Leigeb, H., 5: 61, 62, 63, 64, 66, 67 Leland, S. J., 4: 636, 647 Leliveld, J. A., 2: 342 Lemmermann, O., 3: 208, 209, 210 (208) Lemoigne, M., 3: 104 (108), 105 (108), 201 (245); 4: 156; 5: 334 Le Monnier, G., 4: 628, 649 Lendner, A., 1: 405 Lendrer, A., 1: 405 Lenz, M., 5: 22 (255) Leonard, C. S., 1: 366 (91) Leonhard, H., 4: 64, 65 (59) Lepeschkin, W. W., 2: 3 (274), 20, 49 (274), 16 (274); 3: 621; 4: 507 (67)Lepierre, C., 5: 208 (66), 510 Lepik, E., 2: 249 Lesage, P., 5: 399, 400 Lesley, J. W., 2: 198 (28, 29, 30) Lesley, M. M., 5: 604 Lesquereux, L., 3: 41; 4: 207, 220 (31), 375(31), 5/5 Leszcyc-Suminski, J., 5: 440 Leukel, R. W., 2: 498 Levan, A., 5: 31, 566, 567, 573, 582, 583, 589, 614, 615 Levin, I., 2: 442, 443 Levine, M., 1: 414 (62, 63), 416; 2: 439; 3: 25 (164), 28 (164), 292; 4: 404 (104); 5: 2 Levine M. N. 1: 120, 121, 122, 457 4: 404 (104); 5: 2 Levine, M. N., 1: 120, 121, 122, 457 (71); 4: 479 (43), 490 (43) Levine, V. E., 2: 384 Levinthal, W., 4: 636, 646 Levizky, G. A., 4: 592 (199) Levy, E. B., 2: 232; 4: 68 (60, 61) Levyns, M. R., 3: 602 Lewin, C. J., 3: 53, 56; 4: 602 (220)

Lewis, C. L., 4: 441 Lewis, F. J., 5: 539, Lewis, G. N., 4: 536 Lewis, I. F., 1: 49 (9); 2: 67 (10); 5: 628, 634, 636, 644 Lewis F. H. 2: 422: 3: 280 Lewis, K. H., 2: 432; 3: 389 Lewis, M. R., 2: 419, 449 Lewis, R. D., 4: 194 (2) Lewis, W. H., 2: 419, 448, 450 Lewitsky, G. A., 1: 475, 477, 481, 486; 2: 533; 3: 246; 4: 521; 5: 26 (165), 27 (165), 28 (165), 30 (165, 167), 32 (166) Li, Tsi-Tung, 1: 167 (70), 360 (92); Lewis, K. H., 2: 432; 3: 389 2: 132 Lid, J., 3: 436 Lid, J., 3: 436 Liebaldt, E., 4: 505 (72), 507 Liebig, M. J. von, 3: 203, 617, 618 Liebisch, W., 1: 153 (14) Liehr, E., 4: 592 Lieske, R., 1: 412 Light, S. S., 5: 285 Lignt, S. S., 3: 263 Lignier, O., 1: 387, 429, 441; 3: 571, 572, 575, 583 Ligon, W. S., 3: 318 (54) Lilienfeld, F., 1: 470, 471, 482 Lilienstern, M., 4: 585, 586 Lill, J. G., 2: 518
Lill, J. G., 2: 518
Lill, P. S., 4: 506 (73)
Lilly, C. H., 4: 153 (15)
Lilly, V. G., 5: 332, 335, 339, 340
Limbourn, E. J., 2: 501 (116), 513 (116)Liming, O. N., 2: 589 (52, 53) Liming, O. N., 2: 589 (52, 53) Lindbergh, C. A., 1: 501 (68) Lindegren, C. C., 4: 91, 92, 638, 639, 641, 644, 646; 5: 580, 583 Lindeijer, E. I., 1: 408 (68) Lindley, J., 1: 80; 4: 207 Lindman, C. A. M., 3: 596; 4: 23, 24, 29, 36
Lindner, W., 4: 633, 648
Lindquist, B., 2: 224; 3: 442, 448
Lindroth, C. H., 3: 438
Lindsay, R. H., 4: 583 (202)
Lindsey, A. A., 5: 107
Lindsey, A. J., 1: 47 (36); 5: 628
Lindstrom, E. W., 2: 197; 3: 608;
5: 18 (168), 24 (168), 33 (168)
Lineweaver, H., 3: 213 (54)
Linford, M. B., 1: 4 (43, 44), 6 (42),
453; 2: 264; 5: 244 (48)
Ling, A., 2: 476, 477 29, 36 Ling, A., 2: 476, 477 Ling, A., 2: 4/0, 4//
Lingelsheim, A. von, 3: 459
Link, G. K. K., 1: 410, 498
Link, H. F., 2: 456
Link, K. P., 1: 507 (27)
(35), 256, 257, 259 (34)
Linke, F. W., 5: 134 (27); 2: 224

Linnaeus, C., 4: 21, 28, 32, 40, 210 Linossier, G., 3: 620; 5: 211 (68), Linser, H., 3: 92 (104), 149 Lipman, C. B., 2: 180; 3: 308, 309; 4: 187 (76) 4: 187 (70)
Lipman, J. G., 3: 150, 205 (210), 206 (210), 213 (212), 382
Lipp, C. C., 2: 374, 376 (37)
Lippmaa, T., 1: 220, 222, 226, 357 (93), 358; 3: 448, 449; 5: 548
Lison, L., 3: 16, 17, 18
List, G. M., 5: 310
List H 4: 135 (18) List, H., 4: 135 (18) Lister, J., 4: 628, 630, 633 Lister, M., 3: 14 Lister, P. B., 4: 69; 5: 178 Litardière, R. de, 5: 433 Little, C. C., 4: 128 Litvinov, L. S., 1: 358 (73); 4: 600 (203)Livingston, B. E., 1: 256, 367 (95), 370 (94); 2: 222; 3: 102 (110), 196, 197 (214), 208 (215), 311 Livingston, L. G., 4: 562; 5: 414, 477, Livingston, L. G., 7. 502, 537, 540
Lloyd, F. E., 1: 23, 71; 3: 9, 10, 19, 523 (57), 530; 4: 510, 514 (23)
Locher, G. L., 5: 17
Locklin, H. D., 1: 258, 262 Lockwood, J., 2: 492 Lockwood, J., 2: 449. Lockwood, L. B., 4: 140; 5: 219 (70), Lockwood, L. B., 4: 140; 5: 219 (70), 231 (71), 328, 332, 338 Loeb, L., 2: 442 Loehwing, W. F., 1: 363 (96); 2: 33; 3: 103 (111), 139 (111), 195; 4: 581 Loew, E., 4: 29 Loew, O., 2: 31 (278); 3: 7; 4: 522, 590 (208) 590 (208)
Loewe, S., 3: 631
Logan, J. C., 3: 94 (145)
Loh, T. C., 2: 506 (75)
Lohmann, G., 5: 213
Löhnis, F., 3: 204, 205 (218), 209
(218); 4: 86, 206, 107 Lojkin, M., 1: 366 (97); 2: 43 Long, E. R., 2: 32 Long, F. L., 1: 362 (28), 363 (28); 2:117 2: 11/ Longley, A. E., 1: 104, 471 (70), 475 (70); 2: 206 (13), 209 Longley, B. J., 3: 377 (56) Longsworth, L. G., 2: 285 (84), 288 (83), 293 (82, 83, 84), 303 (84) Loo, Tsung-Le, 3: 118, 123

Loomis, A. L., 5: 134

Loomis, H. F., 4: 165 (84) Loomis, W. E., 2: 17, 123; 3: 65, 100 (114), 161 (113) Lopatina, G. V., 3: 367 (51), 390 Lopriore, G., 2: 420; 5: 23 (169), 24 Lorbeer, G., 1: 271, 272 (37), 274 (37, 39), 275, 281 (39); 5: 435, 601 Lorberblatt, I., 4: 585 (97) Lorenz, A., 1: 361 (56) Lorz, A., 4: 583 (209) Lotsy, I. P., 3: 593, 604, 609: 4: 306 Lotsy, J. P., 3: 593, 604, 609; 4: 306. 308 Loubière, A., 4: 211 (32), 213, 224 Lougee, F. M., 2: 383 (38) Lougee, F. M., 2: 383 (38) Loughnane, J. B., 5: 240 (49) Louis, J., 2: 354; 5: 455 (43), 459 (43), 460, 466 Love, L. D., 4: 69, 72 Loveland, R. P., 4: 97 Lowdermilk, W. C., 5: 191, 192 (76). Lowell, R., 4: 148 (47), 153 (47), 488, 490 (21) Lowig F. 2: 271 Lowig, E., 2: 271 Lowsma, H., 2: 19 (547), 23 (547); 3: 323 (110) 3: 323 (110) Lubarskaya, L. S., 3: 133 (115) Lubimenko, V. N., 2: 7, 8 (283, 284), 11, 14, 36, 39, 40 (285), 119, 136 (286), 143 (283), 4: 515, 598 (211), 600 (210), 601 (39). Lucas, G., 3: 618 Luchetti, G., 3: 196 (223) Lucké, B., 2: 294 Luckiesh, M. 2: 2 (289), 6 (289) Lucke, B., 2: 294
Luckiesh, M., 2: 2 (289), 6 (289)
Ludford, B. J., 3: 9
Lüdi, W., 1: 223, 228; 5: 639, 644, 646
Lüdtke, M., 1: 57, 67, 68, 69
Ludwig, C. A., 3: 212 (14), 213
(225), 384, 389; 4: 677
Ludwig, F., 4: 28
Lüers, H. von, 2: 492
Lugovaja I. V. 4: 91, 92 Luers, H. von, 2: 492 Lugovaia, L. V., 4: 91, 92 Lund, E. J., 3: 318 (57) Lundberg, F., 2: 569 Lundegårdh, H., 1: 367 (98); 2: 7, 8, 13, 14, 39 (291) 117, 118, 130, 181, 289 (86), 290 (87), 294 (85); 3: 91 (117), 108, 188, 200, 312 (59), 328; 5: 557 Lundquist, G., 5: 630 Lundquist, G., 5: 630 Lundquist, G., 3: 630 Lunez, G., 1: 362 (99) Lunn, W. M., 4: 188 (86), 191 (86) Lunt, H. A., 5: 187 (56) Lute, A. M., 4: 265, 266 Luthra, J. C., 4: 434 Lutkov, A. N., 1: 104 Lutman, B. F., 1: 333; 5: 300 Lutz, C., 4: 168

Lutz, F. E., 5: 292 Lutz, H. J., 5: 184 (56), 187 (56), 546, 550 Luyet, B. J., 5: 142, 143, 144, 145, 146, 147, 148 Lyman, C. M., 3: 218 (412) Lynch, D. F. J., 4: 143 (163) Lyon, F., 5: 436 Lyon, H. L., 4: 551 (98), 569 (98) Lyon, T. L., 3: 198, 201 (235), 205 (229, 230, 231, 232), 206 (233), 209 (227, 234), 214 (227) Lysenko, T. D., 2: 36, 37 (292), 140 (292); 4: 594, 595 (212)

Ma, R. M., 4: 517 McAlister, E. D., 2: 46 McAllster, E. D., 2: 46 McAllster, F., 4: 517 MacArthur, J. W., 5: 24 (170) McBain, A., 3: 94 (10) McBain, J. W., 1: 21 McBurney, C. H., 3: 391, 624, 628 McCalla, A. G., 3: 88 (118) 104, 105 (118)McCalla, T. M., 3: 371 (4)
McCallan, S. E. A., 2: 586 (92), 589 (66, 93, 94), 592 (65), 593 (67)
McCallum, W. J., 3: 528-532
McCarty, E. C., 5: 178
McClary, J. E., 3: 219 (309), 309 (79), 630 McClean, A. P. D., 1: 8 McClelland, C. K., 2: 505 (137), 507 (81), 510 (137), 521 (81); 3: 213 (247 McClelland, T. B., 2: 124 (310), 126 (310)McClelland, T. L., 3: 203 (248), 212 (248)McClendon, J. F., 4: 641, 643 McClintock, B., 1: 102, 292; 2: 198 (34, 42), 199 (42); 3: 243; 5: 2, 27 (187), 28 (183–186), 29 (183– 185), 32 (183), 244, 567, 576, 593, 594, 603, 612 McClung, C. E., 2: 533 (75), 538, 540; 3: 249 McColloch, L. P., 4: 431 McCollum, J. P., 2: 142 (311); 4: 602 (224), 605 (224) McCool, M. M., 2: 187 (83) McCormack, R. B., 2: 590 (10); 4: 490 (44) McCormick, F. A., 4: 169, 481 (45), 485 (45) McCoy, E., 3: 207 (124), 211 (124) 212 (124), 213 (124), 366, 375, 378

(37), 385 (37), 389, 390; 4: 638. 639, 643, 644, 650, 652, 654 McCoy, R. W., 2: 357 McCracken, E. U., 5: 22 (188) McCray, F. A., 1: 106 (25) McCrea, A., 1: 362 (103), 36 103); 2: 12; 4: 151 (103) McCreary, O. C., 2: 375 (5) McCubbin, W. A., 5: 476, 477 365 (100-McCulloch, L., 1: 408 (71); 2: 440. 445, 448, 451 McCulloch, W. F., 5: 629, 632, 633 McCutcheon, M., 2: 294 McDaniel, E. I., 4: 417 (105); 5: 302 (156)MacDaniels, L. H., 5: 103, 395, 396, 404, 408, 412, 418, 422 McDonald, J., 1: 122, 123 MacDonald, W. A., 5: 188 (79) MacDougal, D. T., 2: 129, 137 (294); **5:** 488 McDougall, W. B., 5: 157 McFetridge, E. M., 3: 508, 515 (54) McGarr, R. L., 5: 281 McGavack, J., 3: 524 McGee, J. M., 3: 95, 98, 108 McGee, J. M., 3: 95, 98, 108
MacGillivray, J. H., 4: 191, 195 (77)
MacGinitie, H. D., 4: 380 (42), 383
(41), 387 (42)
McGinnies, W. G., 4: 63, 64, 65 (64), 67 (63), 71–73
Machacek, J. E., 2: 509 (76); 4: 166, 167, 171 (92, 93), 172 (92, 93), 174 (60)(86, 87), 180 (88), 181 (84), 182 (88), 184 (85), 185; 3: 308; 4: 185 (80), 189, 190; 5: 214 (78), 220 (78), 221, 228, 338 Machatschki-Laurich, B., 3: 339 Macht, D. I., 2: 15 (296), 41 (298) McInteer, B. B., 2: 458 McIntosh, T. P., 3: 557 McIntosh, T. P., 3: 557 McIntyre, A. C., 4: 264 Mack, E., 4: 534 McKay, J. W., 5: 4 (189), 22 (189), 23 (189) McKay, M. B., 2: 249 McKee, C., 3: 204 (17) McKelvey, S. D., 3: 346 McKenney, R. E. B., 3: 278 (9) Mackensey, R. E. B., 3: 278 (9)
Mackenzie, K., 5: 575
McKie, P., 3: 88 (119)
Mackie, W. W., 2: 501 (79), 503 (77), 506 (77), 511 (78), 513 (80)
McKindley, A. D., 3: 198 (249)
MacKinney, G., 2: 12, 47 (322), 180; 3: 309; 4: 187 (76), 514-516

McKinney, H. H., 1: 10, 11; 2: 37, 137, 140 (313); 3: 266; 4: 594 (225-227), 595 (227); 5: 537 McLane, J. W., 5: 162 (64) McLarty, H. R., 1: 450 McLean, R. 1: 500 (126); 4: 62, 63 MacLeod, D. J., 2: 176 (89, 90), 188 (90)
McLuckie, J., 3: 596
MacMillan, H. G., 2: 420
McMurtrey, J. E., 2: 176 (91–94),
183 (93); 4: 183
MacNeal, W. J., 3: 79, 509
McNeil, E., 4: 641, 644
McNew, G. L., 4: 629, 630
McPhee, H. C., 2: 141; 4: 583 (228–230), 597, 598 (230)
McVeigh, L., 3: 457
McWhorter, F. P., 1: 407 (18); 3: 249; 5: 260 (90) 249; 5: 260 McWhorter, O. T., 2: 186 (95) Macy, P., 3: 322 Macy, P., 3: 322 Mader, E. O., 2: 590 (10) Madge, M. A., 4: 25, 41 Madison, T. C., 2: 373 Maeda, T., 1: 190; 2: 539 (63) Maekawa, T., 4: 590 (213), 602 (213)Magee, C. J., 1: 5 (45), 7 (45); 4: 551, 569 (99)
Magness, J. R., 2: 12 Magness, J. R., 2: 12
Magnin, A., 4: 602 (214)
Magnus, W., 2: 577; 5: 289
Magrou, J., 1: 416; 2: 445, 446; 3: 213 (237, 238), 215 (236, 239) 218
Maheshwari, P., 1: 79; 4: 24, 34
Mahoney, C. H., 4: 417 (105)
Mai, G., 2: 98 (263)
Maier, W., 2: 44 (300), 45
Mains, E. B., 1: 122, 123, 125, 346, 347 347 Mainx, F., 2: 457, 460, 464-466, 470, 471; 4: 133 (19, 20), 583 (215)
Maire, R., 4: 399 (106)
Maisin, J., 5: 22 (172) Makarov-Koshukhov, L. N., 5: 295, 296 Malabayabas, A. P., 3: 199 (240) Malençon, M. G., 4: 419 (107) Malfitano, G., 5: 227 Malherbe, I. de V., 2: 185 (96) Malinowski, E., 2: 120 Malins, M. E., 5: 416 Malkani, T. J., 3: 121 (45), 126 (46) Mallèvre, A., 2: 490 Mallèvre, A., 2: 490 Maliman, W. L., 3: 504 (55), 512 Malloch, W., 5: 14 (98), 17, 24 Mallory, F. B., 3: 75 Malmsten, H. E., 4: 66 (66), 68 (66); 5: 174

Malmström, C., 5: 645 Malone, L. H., 4: 641, 644, 650 Malowan, S. L., 1: 177 (41) Malpighi, M., 5: 289
Malte, M. O., 3: 601
Malyschev, N., 2: 423, 425, 428, 431
Malzew, A. I., 1: 477, 478
Manner, A. 4, 240, (42) Manaresi, A., 4: 240 (42) Manceau, P., 5: 231 (74) Maneval, W., 2: 103 (439), 423, 424, 431; 3: 629 Mangelsdorf, A. J., 4: 285, 291, 295, 298 Mangelsdorf, P. C., 1: 318 Mangenot, G., 2: 91; 3: 6, 17; 5: 362, 364 Mangham, S., 3: 52, 53 Mangin, L., 2: 483-486; 5: 387 Manil, P., 4: 563 (65), 564 Mann, C. E. T., 5: 288 Mann, H. B., 2: 182 (97, 166) Mann, M. C., 1: 192, 193; 2: 198 (29)Mann, M. L., 5: 214 (75) Mann, T., 5: 223 (59) Manns, T. F., 2: 180 (130), 595 (55); 4: 167, 169 Manoilov, E. O., 4: 584, 585 Manson, J. M., 3: 600 Manton, I., 3: 338, 475; 5: 442, 446, 448 Manzoni, L., 1: 506 (60); 2: 592 (56)Marbut, C. S., 5: 549 (58) Marcel, M., 4: 412 (47–49) Marcello, A., 4: 589 (217), 595 (217), 602 (217) Marchal, E., 1: 269, 274-276, 279, 280 (42, 46); 5: 435 Marchal, P., 5: 294 (162) Marcuse, K., 3: 512 (56) Maresquelle, H. J., 4: 583 (218), 595 (218), 596 (218) Margolena, L. A., 3: 81; 4: 92 Markgraf, F., 1: 200; 5: 549 (38) Markley, M. C., 5: 166 Marquardt, H., 5: 563, 572, 573, 575, 582, 590, 599 Marsden-Jones, E. M., 3: 597, 606-Marsh, R. W., 1: 499 (5, 61), 504 (62, 63); 2: 588 (48), 589 (57), 595 (49) Marshak, A., 2: 534 (64), 537, 539 (66); 5: 6 (177), 10, 12-14 (173-175), 25 (174, 177), 26 (174, 175), 27, 31 (174), 572, 614

Marsland, D. A., 5: 141

Marsland, D. A., 5: 257, 44, 448 (22) Martens, P., 2: 535; 4: 448 (22), 465, 467

Martin, A. L., 2: 373 Martin, E. V., 1: 358 (29); 2: 16 Martin, H., 2: 588 (49), 589 (58), 592 (35), 594 (61, 62), 595 (49, 59, 60, 63) Martin, J. C., 3: 317, 326 (13), 327 (13, 14), 328 (14); 5: 533 Martin, J. H., 4: 594 (219) Martin, J. H., 4: 594 (219)
Martin, J. N., 5: 477
Martin, J. P., 2: 178 (99), 183 (98), 511 (67); 4: 185 (88), 190, 191 (89), 196 (89); 5: 292
Martin, L. F., 5: 537
Martin, W. A., 2: 448
Martin, W. H., 2: 588 (64), 591 (64)Martin, W. M., 5: 536, 539 Martini, A., 2: 188 (100) Marx, H., 4: 91 Maschaupt, J. C., 2: 184 (101); 3: 201 (241) Maschke, O., 3: 17 Maschman, E., 1: 177 (42) Maskell, E. J., 3: 48–50, 54, 56–59, 63–66, 94, 99, 323 (61), 324; 5: 493 63-66, 94, 99, 323 (61), 324; 5: 493
Maslen, A. J., 4: 220
Mason, H. L., 4: 374, 376, 390
Mason, R. C., 4: 417 (108)
Mason, S. C., 2: 99
Mason, T. G., 3: 47, 94, 99, 101, 220
(288a), 323 (61), 324; 4: 602
(220); 5: 378, 427, 471, 493, 533, 534, 538, 539
Massart, J., 2: 355
Massee, A. M., 5: 294, 298 (165)
Massee, G., 2: 244 Massee, A. M., 5: 294, 298 (165)
Massee, G., 2: 244
Massey, A. B., 3: 196 (242), 197
Massey, K., 2: 352
Massey, R. E., 3: 507
Mast, S. O., 1: 31 (24); 5: 139
Masure, M. P., 1: 256
Masy, S., 5: 22 (172)
Mather, K., 1: 468, 469 (72); 2: 533;
3: 247; 5: 26 (178-180), 28 (180), 29 (178), 30 (178, 180), 31 (181)
Mathissig, H., 4: 600 (232)
Matouschek, F., 3: 467, 483
Matruchot, L., 4: 415 (111), 419 (109, 110) Matruchot, (109, 110) (109, 110)
Matskov, F., 2: 31
Matsumoto, K., 1: 471 (73)
Matsumoto, T., 4: 552, 569
Matsuura, A., 3: 371 (47), 374 (48)
Matsuura, H., 2: 537 (73), 540; 3:
346; 4: 583 (221); 5: 582, 573, 584,
587–589, 603, 609
Mattfeld, J., 5: 108
Maume, L., 4: 184 (74)
Maurizio, A. M., 3: 560

Maurizot, M. N., 4: 419 (112) Mavor, J. W., 5: 13 (181) Maximov, N. A., 2: 8 (308), 35, 124, 130 (307), 133 (309), 136 (309), 137, 140 (306); 3: 100 (128), 160, 161 (128); 4: 581 (222), 594 (222), 595 (223) Maxwell-Lefroy, H., 5: 298 (166) Maxwell, L. R., 5: 14 (38), 22 (38) May, C., 1: 451 (43), 459 (43); 2: 270 May, O. E., 4: 142 (107), 143 (163), 144 (99), 145 (158), 147 (158), 148 (157), 149 (101), 153 (100), 172 (99); 5: 218 (87), 219 (70), 231 (71), 327, 332 Mayer, A., 3: 596; 5: 224 (76) Mayer, G. G., 2: 423 Maynard, L., 4: 170 Mayer, G. G., 2: 423 Maynard, L., 4: 170 Mayneord, W. V., 5: 11 (182) Mazé, P., 3: 197 (243-245), 202, 308; 4: 195; 5: 219 (77), 226 (77) Meacham, M. R., 4: 172 (100) Meekison, D. M., 4: 168, 171 (75), 172 (75) 174 172 (75), 174
Megliola, G., 4: 404 (41)
Mehlitz, A., 2: 490
Mehta, K., 1: 500 (64-66), 503 Meier, A., 1: 328 Meier, F. C., 1: 501 (67-69); 3: 295 Meier, F. E., 1: 365 (104-106), 366 (104-106); 2: 8 (316), 9, 14, 103, 121 (317) 121 (317)
Meinke, H., 5: 636
Meinzer, O. E., 5: 556
Meister, G. K., 1: 481
Melander, L. W., 1: 499 (70), 500
(70), 506 (70); 2: 248
Melas-Joannides, Z., 2: 16 (318)
Melchers, G., 4: 599, 607 (231)
Melchers, L. E., 1: 124, 506 (52); 2:
268 (78), 506 (55), 507 (82), 508
(82), 510 (55, 83), 521 (82); 3:
293 293 293
Melderis, A., 3: 602
Meleney, F. L., 3: 508, 512
Melhus, I. E., 2: 507 (84), 515 (84)
Melin, C. G., 3: 74, 81, 251
Mellon, R. R., 4: 92
Memmler, K., 3: 522, 525 (60), 529
Menchikovsky, F., 3: 215 (250)
Mencl, E., 4: 91
Mendel, G., 1: 233
Menke, W., 4: 507 (85), 508, 512, 515
(84) (84) Menusan, H., Jr., 5: 302 (167) Menzel, K., 2: 590 (69) Mercer, S. P., 5: 511 Mercklin, C. E., 5: 440

Merkle, G. E., 3: 197 (160), 200 (160)Merriam, C. H., 5: 166, 169 Merrill, E. D., 4: 1 Merrill, J. H., 1: 448 Merrill, M. C., 3: 201 (251) Merrill, M. H., 5: 246 (51), 249, 252, Mes, M. G., 2: 175 (102), 176 (103); 4: 185, 188 (92), 191 (92, 93) Mestre, H., 4: 515 Metcalf, Z. P., 5: 299 Metchnikoff, E., 4: 85 Metz, C. W., 5: 25, 595, 598, 601, 603, 611 Metz, O., 5: 208 (80), 213, 215, 216 (80), 226 (80), 230, 336 Metzger, W. H., 3: 153 (129), 206 (252)Metzner, P., 3: 186-189; 4: 510, 514; 5: 352 Meurs, A., 2: 176 (104)
Mevius, W., 2: 126 (319); 3: 112 (130, 131), 113 (131), 114, 115, 117, 127, 128, 137 (131), 146, 147, 312 (66) 312 (00)
Meyen, F. J. F., 3: 1, 2; 4: 508
Meyer, A., 2: 178 (105), 180 (105), 182 (105), 187 (105), 188 (105), 594 (70); 3: 94; 4: 83, 89, 91, 93, 95, 96 99, 102–106
Meyer, B. S., 4: 531; 5: 489, 535, 538, 530 Meyer, F., 3: 10, 23 Meyer, K., 1: 152 (15); 2: 59 (26), 477; 5: 85, 86 Meyer, P., 2: 442 Meyer-Hermann, K., 2: 175 (106) Meyer-Hermann, K., 2: 175 (106)
Meyerhof, O., 5: 223 (81)
Meyers, P., 2: 492
Mez, C., 4: 600 (232)
Michaels, W. H., 1: 252, 254
Michailowa, P. V., 4: 552 (102)
Michalet, E., 4: 38
Miczynski, K., 1: 471 (75)
Miehe, H., 2: 420, 426; 5: 143, 149
Migula, W., 4: 83, 89, 93, 99, 100, 102, 104 Mikosch, C., 4: 520 Millard, W. A., 4: 166, 172 (101), 174 (101) Miller, A., 4: 591 (234), (234), 603 (234), 606 Miller, E. C., 3: 13; 4: 521 **4**: 591 (234), 597, 598 Miller, E. C., 3: 13; 4: 321 Miller, E. J., 3: 103 (35), 104 Miller, E. S., 1: 361; 2: 39 (321), 47 Miller, J. C., 2: 37, 139 (323); 4: 596 (235) Miller, L. P., 2: 42 (99), 181 (108), 183 (107)

Miller, M. F., 5: 192 Miller, M. S., 3: 201 (252a) Miller, N. H. J., 3: 149, 311 (48) Miller, W. A., 5: 149 Miller, W. L., 3: 618-620; 4: 484 (47)Milovidov, P., 1: 413; 2: 451; 3: 12; 5: 24, 586 Milthers, V., 1: 39, 42 Milton, W. E., 4: 58 Minenkov, A. R., 4: 586, 587 (236) Minina, E., 3: 197 (253); 4: 589 Minoux, M., 4: 84, 87 Mirande, M., 2: 12 Mirbel, C. F., 4: 498 Mirimanian, K. P., 3: 206 (254) Missura, M. T., 5: 32 (296), 33 (296) Mitchell, H. L., 1: 363 (108) Mitchell, H. S., 2: 181 (108) Mitchell, J. H., 2: 188 (109) Mitchell, J. W., 5: 22 (252) Mitra, M., 4: 434 Mix, A. J., 4: 641, 644; 5: 344 Miyaji, K., 4: 146 (105) Miyoshi, M., 2: 242-245 Mobius, M., 2: 13; 3: 351 Mockeridge, F., 3: 218 (256), 624 Moebius, H., 2: 425; 3: 633 Moewus, F., 4: 133 (21, 23, 24) Moffett, A. A., 1: 113 Mohl, H. von, 4: 21, 23, 39, 499 (98) 500, 501, 503, 504 (98), 508, 514; 5: 374, 386 Mohr, J. C., 2: 103 (328) Mokragnatz, M., 2: 188 (10): 5: 231 Mol, W. E., 4: 592 (238), 593, 597 Molisch, H., 2: 485; 3: 201 (257), 522, 527, 529; 4: 522, 594; 5: 212 (83), 224Möllendorf, W. von, 3: 5 Molliard, M., 2: 421, 422; 3: 196 (258, 259), 4: 142 (106), 172 (103, 104), 597, 598 (244, 246), 602 (243); 55; 212, 215, 218 (84) Monguillon, P. 3: 104 (108), 105 Monguillon, P., 3: 104 (108), 105 (108); 5: 334 Montanari, C., 3: 196 (260) Monteith, Jr., J., 1: 453; 5: 299 (111, 168), 301, 302 Montemartini, L., 2: 20 (329), 110 Montfort, C., 1: 359 (109), 361 (109); 2: 14 (330); 3: 625 (67); (109); 2: 14 (330); 3: 625 (67); 4: 263 (43) Monzen, K., 5: 294 (169) Moodie, A. W. S., 3: 213 (261) Moore, C. A., 3: 213 (262) Moore, A. R., 1: 32, 33; 5: 139, 149 Moore, B., 2: 14 (333); 3: 203 (262a)

Moore, C. N., 5: 23 (195)
Moore, E. S., 3: 505
Moore, J., 2: 448; 5: 103 (51, 52),
104, 113 (53), 105, 108, 112 (52)
Moore, M. H., 1: 499, 504 (72, 73)
Moore, S., 4: 35
Moore, T. 2: 43 (224, 225) Moore, S., 4: 35
Moore, T., 2: 43 (334, 335)
Moore, W. G., 2: 533, 537 (76)
Moore, W. J., 3: 138 (12), 152 (12)
Moreau, A. P., 5: 283 (170)
Moreau, F., 4: 169, 399 (113)
Moreland, C. F., 5: 473, 481
Morgan, A., 2: 42 (505); 4: 63, 65 (67), 71 Morgan, M. F., 4: 184; 5: 165, 187 (56)Morgan, W. P., 5: 22 (196) Morinaga, T., 1: 104 Moriya, M., 1: 480 (77) Morot, L., 5: 412 Morris, H. J., 5: 332 Morris, H. S., 2: 177 (111) Morris, M. S., 4: 69, 73 Morris, V. H., 5: 532, 533, 536, 538 Morrish, R. H., 3: 213 (263), 214 (263)Morse, H. H., 2: 187 (112) Morse, H. H., 2: 187 (112)
Morton, F. A., 4: 70 (68)
Möschl, L., 5: 363
Moser, W., 3: 621
Mosher, W. A., 3: 622; 5: 213 (85),
328, 329 (40), 335 (40), 339
Moshkov, B. S., 2: 127 (337), 135;
3: 160, 261, 264; 4: 599, 601 (247)
Moss, C. E., 2: 225; 3: 604
Moss, E. G., 4: 188, 189, 191 (96),
193 (96) 193 (96) Moss, E. H., 1: 340; 5: 547 Mosseray, R., 5: 211 (86), 213 (86), 215 (86) 215 (80)
Mote, D. C., 5: 297 (171)
Mothes, K., 3: 20, 91 (135), 94 (135, 138), 95-99, 103 (135, 139), 128, 132, 139 (135), 145 (135), 149 (140), 218 (264); 4: 590
Mottier, D. M., 3: 12; 5: 133, 135, 126, 142, 144, 145 Mother, D. M., 3: 12; 5: 133, 135, 136, 142, 144, 435
Mottram, J. C., 5: 14
Mounce, I., 4: 165 (106)
Mounts, B. T., 2: 366, 367
Moury, H., 2: 185 (113); 4: 194 (97)Moxon, A. L., 2: 381 Moyer, A. J., 4: 140, 172 (99); 5: 218 (87), 332 Moyer, L. S., 3: 522 Mrazek, A., 4: 570, 571 (103); 5: Mudd, E. B. H., 4: 96

Mudd, S., 4: 87, 96 Mudrack, F., 1: 361 (110) Mueller, J. H., 5: 231 (88) Muenscher, W. C., 2: 23 (338); 4: 244, 245 Mühldorf, A., 5: 388, 392, 393 Mukerji, J. N., 3: 198 (265), 200 (265)Mukerji, S. K., 4: 590 (249, 253) Mulay, A. S., 3: 100 (141-143) Mulder, E. G., 5: 229 (89), 230 (89). 337 Muller, A., 2: 98 (263) Müller, D., 1: 358; 2: 29, 32 (340); 4: 40, 143 Muller, H. J., 1: 241 (51); 2: 202; 5: 4 (230), 5 (202, 204, 205, 211, 213), 30 (199, 200), 27 (207, 208, 210-212), 214 (204), 20 (199, 200) 212, 214), 28 (204), 30 (189, 200), 33 (205, 211, 213), 575 Müller, H., 4: 65 (69) Müller, J. A., 3: 539 (75) Müller, K., 1: 503 (74); 5: 51, 76, 294 (175) Müller, L., 1: 87 Müller, V., 2: 448 Münch, E., 3: 53, 54, 56, 59, 60; 5: 471 Munch, J. C., 2: 187 (62)
Muncie, J. H., 1: 415 (73); 2: 503
(85), 513 (86); 3: 505, 511, 513
Mungomery, R. W., 1: 2 (49), 5
(49), 6 (49), 9 (49)
Munro, R., 4: 278
Müntzing, A. 1: 107, 112, 482, 2: Müntzing, A., 1: 107, 112, 482; 3: 338–340, 343, 413–416, 598, 610 338-340, 343, 413-416, 598, 610 Munz, P. A., 2: 339 Murbeck, S., 3: 605 Murlin, J. R., 1: 260 Murneek, A. E., 2: 11, 26 (342), 28, 114, 141 (345), 142 (345); 3: 94 (145), 100 (145), 161 (144), 273; 4: 184, 582 (257, 258), 583 (256), 590 (257), 591 (253-255), 594 (257), 598 (255), 605 (251), 606 (258) (258)Murphy, H. C., 1: 122, 123, 506 (75) Murphy, P. A., 2: 175 (63); 5: 240 (49)Murray, M. A., 5: 197 Murray, W. S., 4: 128 Murwin, H. F., 1: 411 Mutch, N., 4: 633, 648, 649 Mutsaars, W., 3: 509 Muyzenberg, E. W. B. van der, 1: 503 (113) Myer, R., **5**: 343 Myers, M., 2: 561 (15)

N
Nadson, G. A., 5: 23 (217), 24 (217)
Naftel, J. A., 3: 121, 123, 153 (148)
Nagai, I., 2: 249; 5: 434
Nagai, M. A., 5: 17
Nägeli, C., 1: 53; 2: 67; 3: 2, 10; 4: 499 (101), 500, 501 (102), 504, 508, 517, 520; 5: 208, 374, 387, 388, 389, 394, 395, 396, 407, 408, 415, 454, 455, 458
Naithani S. P. A. FO2 (270) Naithani, S. P., 4: 593 (259); 5: 566 Nakagawa, T., 5: 22 (219), 23 (219), 26 (219) Nakajima, H., 4: 638, 639, 644, 651, 652 Nakajima, Y., 4: 239 Nakamura, T., 1: 190; 2: 532 (58, 60), 537 (54, 55, 57), 540, 542 (58), 544; 3: 254; 4: 448; 5: 605, 606, 613 Nakata, K., 1: 411 (75); 4: 165 (107)Namikawa, S., 1: 484 Nanji, D., 2: 476 Nannfeldt, J. A., 3: 433, 438, 439, 440 Napper, M. E., 1: 503 (76, 77); 2: 259 (101) Narayanan, B. T., 3: 618 (69) Nassonov, D., 2: 91 Nathansohn, A., 5: 662 (68) Nathorst, A. G., 2: 409 (48, 49); 4: 231 Nattrass, R. M., 2: 510 (87) Navashin, M., 1: 103, 104; 2: 143 (347); 4: 237; 5: 28 (220), 30 (220)Navez, A. E., 1: 254; 2: 15, 41, 48; 5: 665 Neal, D. C., 2: 514 (88), 517 (88) Neal, D. C., 2: 514 (88), 517 (88) Neal, O. R., 3: 372 (84) Nebel, B. R., 2: 531 (77, 80), 532 (77, 79, 80, 82), 537, 540 (77), 541 (81, 82), 545 (81); 3: 246 (12), 254; 5: 26 (221, 222), 135, 141, 143, 144, 147, 444, 563 Nedjelsky, W., 2: 448 Needham, J., 1: 32; 2: 142 (350) Negelein, E., 1: 364 (179); 2: 5 (570), 6 (570), 6 Negodi, G., 3: 417 Negrul, A. M., 1: 103 Nehring, K., 3: 209 (270), 633 Neidig, R. E., 4: 148 (52) Neill, J. C., 2: 503 (89) Nelson, E. M., 2: 376, 383 (41), 384, 393, 593 (72) Nelson, E. W., 4: 68 (70); 5: 173, 175 175

Nelson, M., 4: 63

Nelson, P. R., 3: 152 (11) Nelson, R., 1: 343: 4: 563, 571, 572: 5: 477 Nelson, V., 3: 618 (27) Němec, A., 2: 18, 31 Němec, B., 1: 414 (76); 2: 420, 445; 3: 178 Nemejc, F., 1: 395 (50), 398 (49) Nepveux, F., 4: 86 Nesterov, E. I., 2: 125 (106) Neumann, F., 4: 91, 92, 97 Neumüller, 4: 97 Newberry, J. S., 4: 206, 207, 208, 209, 220 Newby, H. S., 3: 95 (150) Newcombe, F. C., 2: 129 (353) Newcombe, H. B., 5: 583 Newcomer, E. H., 5: 587 Newell, J. M., 1: 366 (9); 2: 24, 25, 30, 119, 136 (12); 3: 139 (4), 159 (4); 4: 590 (9) Newhall, A. G., 2: 513 (47), 516 (47)Newman, I. V., 5: 109 (53), 466 Newman, L. J., 2: 517 (96) Newton, M., 1: 128, 131; 2: 268 (56), 269
Newton, R., 5: 536, 539
Newton, W., 3: 93 (151)
Newton, W. C. F., 1: 104; 2: 198 (37); 3: 250 (49)
Nichols, G. E., 1: 221, 223, 225; 4: 51 (72), 53, 54, 56, 57 (73), 59, 62 (73), 73, 75
Nicol, H., 3: 205 (272), 206 (271), 209 (365), 210 (272), 211, 212 (272, 274), 218, 384 (62-64), 385
Nicolaisen, W., 1: 124
Nicolas, G., 4: 35 269 Nicolas, G., 4: 35 Nielsen, N., 1: 165, 166, 167 (43), 171 (43), 174; 3: 621; 4: 585 (260); 5: 231 (92), 338–340 (250); 5: 251 (92), 335–346 Nienburg, W., 2: 108 Nierenstein, M., 5: 290 Niethammer, A., 2: 16 (355), 44 (357); 5: 208 (93), 214, 216 (94), 225 (94), 228 Nieuwland, J. A., 4: 41 Nightingale, G. T., 3: 85, 323, 327; 4: 186, 606 (261) Nigrelli, R. F., 2: 87 (25), 89, 91 (25)Nikitinsky, J., 4: 489 (48) Niklas, H., 3: 196 (275) Nikolic, M., 2: 4 (363) Nilsson, G., 2: 137 (369) Nirenstein, E., 2: 304 Nichitawa H. 4: 154 (11 Nishikawa, H., 4: 156 (111, 112) Nishiyama, I., 1: 477 (80, 84, 86), 478 (81, 85), 480, 482, 483, 487; 5: 29 (223, 224)
Nisikado, Y., 4: 418 (115, 114)
Noack, K. L., 2: 352, 356 (39), 357, 361 (39), 362, 364 (39); 4: 116, 117, 522
Noble, N. S., 5: 290
Noble, R. J., 4: 417 (116)
Nodder, C., 2: 490, 491
Noé, A. C., 1: 184, 185
Noethling, W., 5: 18 (225)
Noguchi, H., 4: 86
Noll, C. F., 3: 209 (339)
Noll, F., 2: 129 (365)
Nord, F. F., 5: 328
Nordhagen, R., 1: 222; 2: 224 (27); 3: 433, 434, 435, 439, 442, 443, 445, 446
Nordhausen, M., 2: 237
Nordland, M., 3: 370, 371 (110)
Norman, A. G., 2: 485; 4: 148 (114), 149 (113), 479 (49)
Norris, F., 2: 485
Norris, R. J., 2: 12
Norrlin, J. P., 3: 441
Northen, H. T., 5: 138, 143, 144, 148, 592, 601
Nougaret, R. L., 5: 295
Novak, M. V., 4: 85
Nowell, W., 5: 303
Nowicki, B., 2: 177 (157)
Nowotnówna, A., 2: 178 (114)
Nuckols, S. B., 2: 508
Nuernbergk, E., 1: 171 (10), 370; 2: 6 (367), 110 (65), 143 (65); 3: 176; 5: 656, 659, 661, 668, 673
Nurnberger, C. E., 5: 17

Oakley, R. A., 3: 213 (406)
Obermayer, E., 4: 349
O'Brien, D. G., 1: 503 (24); 2: 176
(114a), 505 (90); 4: 185 (101)
Occhipinti, G., 4: 603
Ocfemia, G. O., 1: 3 (51), 5 (50),
6 (50), 7 (51), 9 (50)
Odell, W. S., 4: 417 (68)
Odén, S., 2: 27, 122, 123, 137 (369),
138 (369)
Odland, T. E., 2: 182 (115); 3: 197
(276), 200 (276, 277, 278), 206
(276)
Oehler, E., 1: 468, 475, 481
Oehlkers, F., 2: 318, 327 (72), 328;
4: 127, 592 (263, 264); 5: 582
Oenike, G., 2: 67 (1)
Offerijns, F. J. M., 5: 566
O'Flaherty, F., 4: 149
Ogilby, J., 4: 1, 2

Ogilvie, L., 1: 5 (52), 7 (52); 4: 434 Oguma, K., 2: 450 Ogura, Y., 5: 405, 406 Ohashi, H., 2: 462, 463, 467, 468 (15), 470 (15) Ohga, I., 4: 244, 248 Ohtsuki, T. 5: 334 Ohlmeyer, P., 5: 223 (81)
Ohtsuki, T., 5: 334
Oikawa, K., 4: 418 (117)
Okada, Y., 2: 420
Okalie, N., 3: 507, 513
Okamura, K., 4: 671
Okamura, T., 2: 129 (250)
Okonogi, E., 3: 609
Okuno, S., 5: 603
Okumuki, K. 4: 486 (50) Okunuki, K., 4: 486 (50) Olaru, D., 3: 367 Oleson, E. G., 4: 604 (265), 606 (265)Olitsky, P. K., 4: 87 Oliver, C. P., 5: 4 Oliver, F. W., 1: 185; 3: 459, 460, 462, 474; 4: 208, 210, 211, 217, 221, 402, 4/4; 4: 208, 210, 211, 217, 221, 227; 5: 393, 406
Oliver, W. R. B., 3: 597, 602
Ollech, V., 3: 197 (279)
Olmstead, R. D., 5: 299
Olsen, A., 2: 493 (54)
Olsen, C., 1: 227 (46); 2: 181 (116); 4: 188, 190 4: 188, 190 Olson, A. R., 5: 22 (100), 23 (100) Oltarjevski, N. P., 1: 503 (78) Oltmanns, F., 5: 406, 407 Olufsen, L., 2: 420 Onken, A., 3: 526, 529, 530 Ono, N., 5: 208 (96), 216 (95), 218 (95), 226 (95), 229 (95, 96), 231 (95) (95) Onslow, M. W., 2: 12, 143 (370) Oort, A. J. P., 2: 511 (91); 5: 675 Oppel, W. W., 4: 585 (103) Oppenheimer, H. R., 4: 538 Orcutt, F. S., 3: 211 (280, 281), 212 (281), 369, 382 (66), 385 (66), 386 (66) 380 (06)
Orlova, I. M. K., 2: 38 (220)
Orlow, W. G., 5: 218 (30), 220 (30)
Orr, L. W., 1: 451
Orskov, J., 4: 628, 636, 646
Orth, H., 3: 632; 4: 603 (266)
Orth, O. S., 2: 180 (117)
Orton, C. R., 1: 335, 348, 410; 2: 505
(92), 507 (92), 507 Orton, W. A., 4: 438 Ortwijn Botjes, J. G., 1: 12 (9) Osborn, H. T., 1: 3 (53), 5 (53); 5: 245 (52, 54), 255 (52, 53, 54), 256 (53), 259

Osborn, T. G. B., 5: 550, 553, 555 (42)Osborne, T. B., 2: 427, 431; 3: 93 (165); 4: 515 Oserkowsky, J., 2: 180 (118); 3: 321 Ossent, H. P., 4: 350, 351 Ostenfeld, C. H., 3: 593 Oster, R. H., 1: 359 (27) Osterhout, W. J. V., 2: 49 (372), 283; 3: 2, 8, 10, 11, 20, 317 (49); 253, 32, 8, 10, 11, 20, 317 (49); 5: 5: 533
Osterstock, H. C., 3: 256
Osterwalder, A., 2: 588 (73), 591 (73), 593 (73), 595 (73)
Osvald, H., 2: 223 (32), 224; 3: 441, 442, 446, 449
Ottley, A. M., 5: 327
Otto, J. H., 5: 628
Oudman, J., 5: 494, 495
Oura, G., 5: 587, 613
Overbeck, F., 1: 172
Overholser, E. L., 1: 258, 262
Overstreet, R., 5: 532
Overton, E., 3: 21
Owe, J. L., 5: 186, 194
Owen, O., 2: 180 (119)
Owen, W. L., 4: 154
Oxford, A. E., 4: 155 (17), 156
Oxley, T. A., 2: 116 **5**: 533

Paál, A. von, 1: 162; 5: 657, 658 Paál, A. von, 1: 162; 5: 657, 658
Paauw, F. van der, 2: 7, 40
Pace, L., 2: 576; 5: 441
Packard, C., 5: 10
Paden, W. R., 2: 187 (120)
Pady, S. M., 1: 331, 333, 334
Paetz, K. W., 1: 364 (113); 2: 34
Paine, S. G., 4: 415 (118), 635, 648
Painlevé, J., 3: 6, 8
Painter, E. P., 2: 378, 384, 392
Painter, R. H., 5: 280 Painter, R. H., 5: 280
Painter, T. S., 5: 4 (209, 230), 27 (210, 229), 30 (209), 598, 615
Palei, T. Y., 4: 144 (117), 150 (117)
Palisa, J., 3: 462, 467, 479, 491
Palladin, M. W., 3: 89 (166) Palladin, M. W., 3: 89 (100)
Pallier, A., 2: 595 (74)
Pallmann, H., 1: 227
Palm, B., 2: 565, 567, 569, 571, 577, 579, 580
Palm, O., 5: 386, 405, 406, 411
Palmer, L. S., 2: 13
Palmgren, A., 4: 51 (76), 54, 57, 59, 64 72 64, 72 Palmquist, E. M., 5: 491, 492 Panchaud, J., 2: 19 Pantaleon, F., 1: 361, 362 (36)

Pantanelli, E., 3: 113 (167), 197 (282), 200 (282)
Papaeva, N. A., 3: 559 (35)
Papen, R. von, 2: 365 (40)
Papenfuss, G. F., 2: 559 (16, 17), 560 (18) Pappenheimer, A., 3: 623 Parat, M., 3: 6 Parat, M., 3: 6
Paravicini, N., 4: 91
Pardo, J. H., 3: 103, 312 (72), 313
Parija, P., 1: 262, 263; 2: 40
Park, J. B., 4: 283, 294, 347
Parker, E. R., 2: 186 (121)
Parker, F. W., 3: 318 (74), 326 (73), 328 (74)
Parker, I. H. 2: 268 (38) (73), 328 (74)
Parker, J. H., 2: 268 (38)
Parker, K. W., 5: 176
Parker, M. W., 4: 596 (31a)
Parker, R. C., 2: 419, 429, 430
Parker, R. G., 2: 588 (19) Parker, R. N., 3: 596 Parkin, J., 1: 82 (51), 87 (50) Parks, M. E., 1: 28 (18); 5: 147 Parks, T. H., 5: 302 (182, 183) Paroti, L. R., 4: 34 Parr, T. J., 5: 298 Parrott, P. J., 5: 299 (185) Parthasarathy, N., 5: 574 Pascher, A., 2: 469 Passalacqua, T., 1: 405 Pastac, I., 2: 594 (75) Pasteur L., 3: 617, 618; 4: 628; 5: 336 Pätau, K., 5: 603, 610
Patel, M. K., 1: 410, 415 (73); 3: 505, 511, 513; 4: 631 Paton, J. B., 2: 476, 477, 489; 4: 594 Patrick, R., 1: 49 (9)
Patren, R. E. P., 5: 2, 22 (231), 25 (232) 26 (232), 136
Patterson, J. T., 1: 240; 2: 538; 5: 27 (235) Patterson, M. G., 3: 509
Patty, F. A., 1: 415 (80)
Paul, W. R. C., 2: 252
Paulsen, O., 5: 553
Pavillard, J., 1: 210; 2: 221, 224; 3: 443, 445 443, 445
Pavlychenko, T. K., 4: 60
Payen, A., 2: 475, 485
Payer, J. B., 1: 78
Pearce, G. W., 2: 4 (382), 10, 12
Pearsail, W. H., 2: 104 (383), 133, 144 (383), 145, 290 (114a); 3: 95 (150, 169, 170), 96
Pearse, K., 4: 68 (80, 81)
Pearson, E. S., 5: 515
Pearson, G. A., 1: 367 (114, 115); 3: 198 (282a); 5: 159, 182, 183

Pearson, H. H. W., 1: 200
Pearson, N. L., 1: 328; 2: 256
Peh, K., 2: 179 (56)
Peirce, G. J., 1: 328; 2: 108 (392)
Pekarek, J., 2: 33 (385); 4: 448
(23); 5: 2, 3, 25 (236), 31 (236), 358 Pekker, M., 4: 595 (290) Pellew, C., 1: 104; 2: 198 (37), 201 (37); 4: 126 Peltier, G. L., 1: 502 Pember, F. R., 2: 178 (47); 3: 197 (160), 200 (160) Penan, H., 5: 211 (33) Penfound, W. T., 1: 363 (116, 117); 2: 104, 130, 131 (386) Pensa, A., 3: 4 Penston, N. L., 3: 201 (283), 203 (283)Percival, ercival, J., 1: 468, 469 (91), 471 (90), 481; 4: 265, 266 Perewosskaja, N. O., 4: 585 (336) Periturin, F. T., 3: 197 (285) Perkins, G. H., 3: 41 Perkins, M., 4: 584 (268) Perquin, L. H. C., 5: 210, 219 (97). 226 (97) Perrot, E., 5: 375, 384, 386, 396, 401, 411, 412 Perry, K. M., 2: 531 (85), 532 (85), 536 (85) Perry, J. T., 1: 167 Perry, W. J., 4: 4, 5 Persidsky, B. M., 1: 153 (18), 157-159 Perty, M., 4: 83 Peskett, G., 3: 622 Peter, A., 4: 252 Peterfi, T., 4: 639, 644, 648, 649, 652 Peters, A. T., 2: 376 (44) Peters, R., 1: 32 Peters, T., 4: 585 (269), 596 (269) Peters, W. L., 4: 103 Petersen, A., 5: 164 Petersen, H. E., 1: 343 Petersen, H. E., 1: 343 Peterson, A. R., 3: 74, 251 Peterson, E. J., 4: 91 Peterson, P. D., 2: 511 (93) Peterson, R. F., 4: 352-355 Peterson, W. H., 3: 209 (177), 623; Peterson, W. H., 3: 209 (177), 623; 4: 148 (114), 149 (113), 150 (89), 151 (121); 5: 328, 329, 332 Petherbridge, F. R., 5: 279 Petit, A., 2: 513 (94); 4: 90 Peto, F. H., 1: 104, 474, 485; 2: 38; 4: 237, 595 (270), 596 (270) Petri, L., 1: 451; 2: 13, 445 Petrie, A. H. K., 2: 290 (114); 3: 103 (171) 103 (171)

Petrilli, A., 4: 103
Petry, L. C., 3: 474
Petschenko, B. F., 4: 106, 107
Petschow, F., 3: 178
Pettibone, C. J. V., 3: 100 (172)
Pettinger, N. A., 2: 177 (122), 187
(122); 4: 185
Peturson, B., 1: 122, 127, 506 (80)
Penser, H., 1: 125 Peturson, B., 1: 122, 127, 506 (80) Peuser, H., 1: 125 Peyre, E., 1: 416; 3: 505 Peyronel, B., 3: 216 (287), 217 (286) Peyros, E., 5: 218 (31), 226 Pfaeltzer, I. W., 3: 187 Pfeffer, W., 2: 242; 3: 3, 5, 17, 54, 175, 189; 4: 93, 475, 482, 492 (51), 503; 5: 208, 352, 358, 660 Pfeffer H 2: 421 428 4: 448 Pfeiffer, H., 2: 421, 428; 4: 448 Pfeiffer, N. E., 1: 364 (118); 2: 31, 120, 121 (390), 129, 133 120, 121 (1901), 129, 150 Pfeiffer, T., 3: 197 (288) Pfister, R., 1: 125 Phillips, E. H., 1: 449 (49) Phillips, J. F. V., 5: 547 Phillips, J. S., 5: 312 (187) Phillips, T. G., 2: 29 (404); 3: 183 Phillis, E., 3: 47, 220 (288a); 5: 378, 427, 471, 493, 533, 534, 538, 539 Philp, J., 1: 477 (94); 2: 197 Piacco, R., 4: 34 Pickels, E. G., 5: 134, 149 Pickering, S. U., 3: 196, 197 (28), 198 Pickett, A. D., 2: 590 (23) Pickett, F. L., 4: 590 (271) Pickett, T. A., 3: 121 (80-82), 137 (82)Pickles, A., 5: 303, 306 Picon, J. M., 5: 147 Piech, K., 1: 38-40 Piekenbrock, P., 3: 152 (11) Piemeisel, F. J., 1: 121, 122 Piemeisel, R. L., 5: 162 (64, 111) Pierce, L., 2: 591 (82), 593 (81), 596 (82)Pierce, R. G., 4: 440 Pierce, W. D., 1: 460; 5: 244, 248 Pierre, W. H., 3: 318 (54, 74) Pierson, R. K., 4: 648 Pierstorff, A. L., 1: 448, 506 (81); 2: 250 Pieters, A. J., 3: 209 (292); 5: 328, 343 Pietschmann, K., 4: 89 Piettre, M., 2: 594 (17) Pijper, A., 4: 98 Piland, J. R., 2: 179 (167); 3: 114 (294)Pilger, R., 1: 190, 192, 194, 195; 4: 28 Pilz, F., 3: 201 (293), 205 (293)

Pinckard, J. A., 4: 639
Pinckney, R. M., 5: 189 (93)
Pincussen, L., 2: 6 (394, 395), 41
Piney, M., 3: 94 (173), 100 (173)
Pinoy, E., 2: 445
Pipal, F. J., 2: 511 (95), 519 (95)
Piper, C. S., 2: 182 (123), 184; 4: 190 Pirschle, K., 2: 187 (124), 188 (124); 3: 92 (175), 112 (174, 176, 178), 118, 121 (168, 177), 151, 312 (76); **5**: 328 Pittman, H. A., 1: 6 (60); 2: 517 (96); 5: 244 (59, 60), 245 (59)
Pizer, N. H., 4: 405 (124), 406 (124), 411 (124) Plakidas, A. G., 4: 174 (110) Plantefol, L., 5: 364 Plantenga, H., 4: 570 Platenius, H., 2: 37; 3: 104; 4: 596 (272)(2/2)
Plaut, M., 2: 517 (97)
Plitt, T. M., 2: 127 (397)
Plotnikowa, T. W., 1: 480 (95)
Plowe, J. Q., 3: 19, 20; 5: 352
Pobedimova, E. G., 2: 127 Poesch, G. H., 2: 136 (268) Poliman, G. G., 3: 214 (105) Poirault, G., 3: 460, 461, 466, 473– 475, 489; 5: 375, 386, 406, 411 Poisson, R., 2: 86, 87 (18), 88 Pojarkova, A. I., 4: 595 (223) Pokrowski, G. I., 1: 360 (119) Polassin, V., 3: 201 (106), 205 (108), 206 (107, 108) Pollacci, G., 2: 10
Polonovski, M., 4: 585 (273)
Polster, H., 4: 590 (274), 591 (274),
592 (274), 600 (274) Ponomarew, A. P., 4: 505 (109) Pont, J. W., 3: 187 Ponte, D., 4: 143 Pool, V. W., 2: 249; 4: 481 (34), 483 (34)Poole, H. H., 1: 359 (13), 370 Poole, R. F., 2: 591 (77), 593 (76), 595 (77), 596 (77) Poos, F. W., 1: 450, 453; 5: 242 (55), 274, 299, 301 (191-193), 302 (193-195) Popence, C. H., 2: 517 (33); 4: 404 (29)Popovici, H., 3: 523, 526 Popp, H. W., 1: 364 (120), 366 (121); 2: 13 (402), 44, 45, 99, 117 (40), 120, 121, 133, 136 (400); 5: (40), 120, 121, 133, 136 (400); 5: 18 (49)
Popp, W., 2: 503 (35), 511 (36)
Porges, N., 5: 213 (99), 214 (99), 216 (99), 219 (100), 220, 221, 337

Porsch, H., 4: 147 (142) Porsch, O., 2: 580 Porter, C. L., 4: 165, 476, 479, 481 (52), 486 (52), 487 (52), 489 (53) Porter, R. H., 2: 507 (98), 515 (98) Porterfield, W. M., 2: 99 (403); 4: 283, 286, 357 Post, K., 4: 594 (276), 596 (275, 276) Post, L. von, 1: 44, 46; 3: 446; 5: 627, 628, 640, 647, 650 Potbury, S., 4: 373 (44), 383 (44) Potonié, H., 1: 185 Potonié, R., 2: 67 (14) Potter, G. F., 2: 29 (404) Potter, J. A., 5: 308 (230) Potter, J. S., 5: 4 (21), 30 (21) Potter, M. C., 3: 522 Potter, V. R., 2: 377–379 Pottevin, H., 4: 152 Pottier, J., 2: 350, 351 (41), 359 (41); 3: 554; 5: 463 Potzger, J. E., 1: 47 (37); 5: 628, 629 Pouget, I., 3: 196 (294) Poulson, D. F., 5: 601, 603 Poulter, A. A., 4: 34 Pound, F. J., 4: 282 Povah, A. H. W., 4: 633 Powell, D., 2: 10 Powers, L., 1: 480 (96) Powers, W. L., 4: 190, 192, 193 Prantl, K., 2: 359, 365 (42); 3: 459, 461, 462, 467–474; 5: 98 461, 462, 467-474; 3: 76
Prát, S., 5: 356, 362-364
Pratt, C. A., 4: 168, 172 (116), 173, 487 (54)
Pratt, R., 2: 6 (62)
Prehn, H., 4: 591 (190)
Praise II 4: 103 104 Prehn, H., 4: 591 (190)
Preisz, H., 4: 103, 104
Prell, H., 4: 291
Premick, J., 1: 39, 40
Prescher, W., 2: 16, 103 (406)
Prettyman, R. L., 5: 628, 634
Prevot, P., 3: 101 (180), 316 (77)
Price, S. R., 4: 506
Price, W. C., 1: 11; 5: 580
Priestley, J. H., 1: 71, 162 (61); 2: 7, 8 (411), 17, 18, 23 (409), 26 (410), 32, 52 (412), 98, 100, 104, 129, 130 (411), 132, 350, 352, 354, 355, 486; 3: 60, 99 (198), 201 (300); 4: 501 (111), 513 (111); 5: 454 (47, 48), 455 (47–49)
Prill, E. A., 4: 151 (121)
Pringsheim, E. G., 5: 224, 662
Pringsheim, N., 3: 2; 4: 508; 5: 435, Pringsheim, N., 3: 2; 4: 508; 5: 435, 456 Printz, H., 4: 136 (25) Printz, Y., 5: 294

Pritchard, F. J., 4: 597
Prjanischnikov, D. N., 3: 86, 91, 96, 105 (195), 112 (191), 122 (189, 196), 123 (197), 124, 128, 131, 132, 134, 138, 144, 197 (296-299), 201 (295), 206 (298), 311 (78)
Prjanischnikova, Z., 4: 362
Probst, S., 2: 126, 129 (414)
Procter, B. E., 1: 501 (82)
Proctor, H. R., 1: 18
Prokofyeva-Belgovskaya, A. A., 5: 5 (213), 27 (237-240) 5 (213), 27 (237–240) Propach, H., **5**: 585, 586 Prosina, M. N., 2: 577 Pruess, L. M., 4: 149, 151 Przyborowski, J., 5: 512, 514 (13), 515 Psarev, G. M., 4: 582 (278)

Quanjer, H. M., 1: 1, 7; 3: 53; 4: 550, 555, 556, 565 (108, 110), 566, 573; 5: 475 Quirk, A. J., 1: 412 (12), 415 (12); 2: 446; 3: 13, 505

R
Rabenhorst, L., 3: 473
Rabien, H., 2: 501 (31)
Rabotnova, I. L., 3: 370
Raciborski, M., 3: 459, 484
Rader, L. F., Jr., 2: 383 (46)
Radermacher, A., 2: 567
Radulescu, E., 1: 122; 2: 249
Rae, N., 3: 529
Raeder, J. M., 1: 500 (83)
Raffel, D., 5: 576
Raghavan, T. S., 5: 599
Ragle, M. E., 4: 165, 174 (146)
Rahn, H., 3: 92 (200), 130
Rahn, O., 4: 483; 5: 289, 581
Raichel, B., 4: 97
Raines, M. A., 1: 328
Rainio, A. J. P., 1: 416
Raisanzew, A. W., 1: 358 (122)
Raistrick, H., 4: 140 (126), 147 (21), 148 (16, 47, 71), 149 (14, 19), 150 (16), 153 (15), 154 (68, 75), 155 (17, 128), 156, 172 (119), 488, 490 (21); 5: 328
Rajagopalan, R., 5: 533, 534, 538, 539
Rajagopalan, R., 5: 533, 534, 538, 539 Rajagopal, S., 5: 533, 534, 538, 539 Rajagopalan, R., 3: 199 (182, 183) Raju, M. S., 3: 211 (301), 375, 377, Rakoto, Ratsimamanga, A., 2: 43 (160)
Raleigh, G. J., 4: 185 (31)
Raleigh, W. P., 2: 507 (84), 515 (84); 591 (78)

Ramage, H., 4: 411 (125) Ramaley, F., 1: 368 (123, 124); 2: _ 137; 4: 57 Ramanatha-Ayyar, V., 3: 199 (25) Ramanathan, K. R., 4: 134 (26) Ramann, E., 5: 182 Ramchandani, J. C., 4: 635, 648 Ramenski, L. G., 1: 217; 4: 68 (83) Ramsbottom, J., 3: 213 (302); 4: 140 (131) Ramshorn, K., 2: 51, 144 (419); 3: 185 Rancan, V., 4: 595 (290) Rand, F. V., 1: 449 (54, 55), 450, 460; 5: 244, 248 Randolph, F. A., 2: 108 (392) Randolph, L. F., 2: 198 (40), 199 (40); 3: 246, 248, 249; 4: 520, 592 (281), 595 (281) Rangaswami-Ayangar, G. N., 4: 34 Rankin, W. H., 1: 4, 5 (57, 58); 3: 114 (293), 210 (413); 4: 569 (111)Rant, A., 1: 407 (82) Rao, G. G., 3: 216 (303) Rao, G. G., 3: 216 (303)
Rao, L., 2: 4
Rao, V. S., 1: 82 (40)
Raper, K., 4: 156
Rapkine, L., 4: 585 (282)
Rasmusson, J., 2: 136
Raspail, F. V., 4: 520
Rasumov, V. I., 2: 30 (426), 35, 52 (425), 124, 129, 136 (309, 427), 137, 138, 143 (426); 3: 262, 265, 269, 273; 4: 595 (285), 599, 600 (283, 284)
Rathbun-Grayatt, A., 3: 298, 300, 304 Rathbun-Gravatt, A., 3: 298, 300, 304 Rathschlag, H., 1: 502 (86) Ratismamanga, R., 4: 516 (39, 40, 41) Ratsek, J. C., 3: 197 (304), 200 (304) Ratzeburg, J. T. C., 5: 182 Raulin, J., 2: 185; 5: 207, 211, 224, 225, 227 Raunkiaer, C., 2: 223; 4: 61; 5: 196, 548, 549, 550, 552, 553
Raup, H. M., 5: 648
Ravas, L., 1: 503 (85), 507 Rawitscher, F., 3: 175; 5: 135, 288, 674 Rawlins, T. E., 4: 567 (112); 5: 388 Ray, S., 3: 625 Rayleigh, R. J. Strutt, Baron, 2: 41 (428)Raymann, B., 4: 91 Rayner, M. C., 3: 216 (305, 306), 217 (305)Rayss, T., 1: 126 Razumovskaia, Z. G., 3: 517

Reader, V., 3: 622 (81), 623 (78) Rechinger, C., 2: 421 Reddick, D., 4: 563; 5: 240 (57, 58) Reddy, C. S., 2: 507 (84, 101-103), 513 (102, 106), 515 (44) Redfern, G. M., 2: 198 (307); 3: 201 (307)Redinger, K., 4: 604 (286) Redington, G., 2: 17, 18, 40 (429), 105, 133 (430), 135; 3: 259 Reed, F. D., 1: 186, 191; 4: 216 Reed, G. M., 1: 119 Reed, H. R., 3: 216 (209) Reed, H. S., 1: 344; 2: 113 (431), 131, 186; 3: 196, 197 (322-326), 200 (322), 201 (326), 208, 311; 4: 589 (287) Reeves, R. G., 1: 318 Régnier, R., 1: 405 (83, 84) Reiche, H., 2: 420 Reiche, K., 4: 22 Reichenbach, H. G., 4: 35 Reichert, I., 1: 124 Reichert, K., 4: 98, 99 Reid, E. M., 2: 399 (51, 52, 53), 400 Reid, J. J., 3: 371 (74), 375, 376, 377, 381 381
Reid, M. E., 1: 362 (131), 363 (125130, 131); 2: 26 (435, 436, 437),
100, 126 (433), 130, 132; 3: 105
(203), 153 (201)
Reid, R. D., 4: 165 (121, 122), 171
(121), 172 (121), 173
Reinhardt, M. O., 4: 478, 479 (56)
Reinhart, W. H., 4: 584 (291, 292),
585 (293) 585 (293) Reinhold, H., 3: 478, 492 Reinke, J., 4: 515 Reinmuth, E., 2: 517 (99) Reiss, E., 3: 187 Reiss, E., 3: 187
Remington, R. E., 2: 182 (126)
Renault, M. B., 2: 70 (15); 4: 226
Rendle, A. B., 1: 78, 82; 5: 100
Reneger, C. A., 4: 412 (153)
Renner, F. G., 5: 192
Renner, O., 2: 317 (76), 318, 319, 323, 328, 329 (82), 338, 358; 3: 554, 555 (33), 593; 4: 115. 116, 119, 120, 128, 522, 538, 544; 5: 457 (51)
Rennerfelt, E. G., 5: 343
Repin, C., 4: 402 (126), 417 (126)
Ressende, F., 5: 604
Ressler, I. L., 5: 300
Rettew, G. R., 4: 398 (127), 417 (127) (127)Reuss, A., 5: 18 Reuszer, H. W., 3: 370 Reuter, E., 2: 539 (86) Rey, P., 4: 586

Reyniers, J. A., 4: 628, 631, 640, 641, 644, 648, 649, 650, 652, 658 Reynolds, E. S., 2: 256 Reynolds, L. G., 1: 189 Rhind, D., 3: 263 Rhoades, M. M., 1: 292; 2: 507 (110), 198 (41, 42); 5: 2, 579, 596 Rhodes, A., 5: 401, 493 Ribbands, C. R., 5: 582 Ribbert, A., 3: 127 Ribereau-Gayon, J., 2: 592 (79) Rice, M. A., 1: 327; 2: 266 (114) Rice, P. L., 5: 281 (200) Rice, T. D., 2: 375 (27), 376 (27), 391 (27) Richards, B. L., 1: 454: 5: 308, 309, 310 Richards, E. H., 4: 411 (80) Richards, F. J., 3: 94, 99, 107 Richards, H. M., 5: 208 (104, 105), 216 (105), 224 (104), 226 Richards, P. W., 5: 187, 547, 628 Richardson, H. L., 3: 153 (205) Riches, J. H., 2: 183 (64) Richey, F. D., 4: 597 Richman, M. W., 2: 138 (171) Richmond, H., 2: 290 (114a) Richter, A., 4: 595 (290); 5: 208 (106), 223 Riddle, O., 4: 584 (291, 292), 585 (293)Ridley, H. H., 4: 35, 36 Riede, W., 4: 589, 590 (294), 598, Riehm, E., 2: 499 (106) Ries, E., 5: 588 Riker, A. J., 1: 415, 416, 450; 2: 431, 444, 445, 446, 450, 451; 3: 514; 4: 628, 631, 638, 639, 644, 651, 652 Riker, R. S., 4: 628, 644 Rikli, M., 5: 551 Rikli, M., 5: 551
Riley, H. P., 4: 282, 284, 310, 311, 312, 313; 5: 25 (243), 26 (243), 28 (243), 29 (243), 31 (243)
Ripley, L. B., 5: 282 (205)
Rippel, A., 5: 337 (57)
Ritter, G. J., 1: 64, 69
Ritzerow, H., 4: 29, 32, 33, 37, 38, 39, 42 Rivera, V., 1: 413, 415, 497 (89) Roach, W. A., 2: 270; 3: 559 (34); 5: 294 5: 294
Roark, R. C., 2: 498 (107)
Robbins, W. J., 2: 103 (439), 423, 424 (100, 101, 103), 426, 427, 431; 3: 219 (309), 628, 629, 630; 5: 328, 331, 332, 339, 340
Robbins, W. R., 2: 23 (362), 26 (362), 187 (127); 3: 99 (153,

154), 105 (264), 111, 119, 124 (265), 136 (263), 142 (154, 263); 4: 186 (99), 192 (100), 606 (261) Robbins, W. W., 4: 602 (299) Roberg, M., 3: 217 (310); 5: 208 (107, 108), 210 (107), 211 (107), 212, 214 (107, 108), 215 (107), 224 107), 231 (109), 332, 336, 338 Roberts E. A. 2: 484 (57) 107), 231 (109), 332, 336, 338 Roberts, E. A., 2: 484 (57) Roberts, J. I., 5: 280 Roberts, J. W., 2: 586; 4: 641, 644 Roberts, R. A., 4: 70 Roberts, R. H., 2: 39 (440); 4: 581 (296), 598 (298), 600 (296, 298), 606; 5: 592, 593 Robertson, D. W., 4: 265, 266 Robertson, H. T., 1: 469 Robertson, J. H., 4: 71 (86) Robertson, W. R. B., 2: 533 (87), 538 538 Robie, J., 3: 509 Robinson, D. H., 4: 72 Robinson, G. M., 2: 13 (442) Robinson, J. L., 2: 507 (108, 109, 110), 521 (109, 110) Robinson, M. E., 3: 85, 100 (208), 104 (208), 140 (209) Robinson, R., 2: 13 (442); 4: 154 (41)Robinson, R. H., 2: 589 (84), 590 (83, 84)Robinson, W., 2: 442, 444, 446: 5: 343 Robinson, W. O., 2: 374, 375 (47), 376, 384, 393, 593 (72) Robson, G. C., 3: 593 Robyns, W., 4: 465 (26), 466, 467 Rochlin, D., 5: 20 (3), 23 (3) Rochlin, E. J., 2: 269; 4: 565 (115), 566 (115), 567; 5: 23 (217), 24 (217)Rockwell, G. E., 4: 149 Rodenhiser, H. A., 1: 124, 125 Rodewald, H., 5: 507, 508, 509, 510 Rodigin, M. N., 3: 559 (35) Roe, E. I., 5: 181 Roeben, M., 3: 526, 527, 529 Roebm, R., 3: 618 Roelofsen, P. A., 2: 15 (443) Roemer, T., 1: 125 Roepke, W., 5: 284, 288 Rogers, C. H., 3: 118 (210), 321 Rogers, L. M., 4: 442 Rogewski, W. de, 2: 11 (100) Rohrman, E., 3: 620, 627; 5: 338 Rohweder, H., 2: 209, 210 Rolet, A., 2: 179 (128) Rolfe, F. W., 4: 397, 417 (128), 420 (128)

Rolfe, R. T., 4: 397, 417 (128), 420 (128)Romell, L. G., 5: 187 Roodenburg, J. W. M., 2: 121, 122, 123, 138 (444) Rosa, J. T., 4: 583 (300) Roscoe, H., 2: 3 Roscoe, M., 3: 631 Rose, D. H., 5: 361 Rösel von Rosenhof, A. J., 1: 18 Rosen, H. R., 1: 411 (92), 446, 448; 2: 262; 4: 168, 170 (124) 2: 262; 4: 168, 170 (124) Rosenbaum, H., 4: 598 (301) Rosenbaum, J., 4: 632, 646 Rosenberg, O., 3: 417; 5: 435 Rosenberg, T., 1: 144 Rosenblatt, M., 2: 32 (27), 182 (11) Rosene, H. F., 2: 49 (445); 3: 318 (82, 83)Rosenheim, O., 2: 13 Rosenteim, O., 2: 13
Rosenthaler, L., 2: 483 (69)
Rosenvinge, L. K., 1: 145, 146
Roskin, G., 5: 362
Rösler, P., 2: 352; 3: 553; 5: 457
(52), 459 (52), 460 (52), 463
Ross, F. W. F., 2: 448
Ross, F. W. F., 2: 448
Rossen A van 3: 525 (82) Rossem, A. van, 3: 525 (82) Rossenbeck, H., 3: 252 (24); 4: 92 Rossi, G. de, 3: 369; 5: 221 (110), 227 Rössler, W., 4: 25 Rostowzew, S., 3: 467, 474, 475, 483, 489 Rosumov, E., 1: 362 Roth, E. R., 4: 439 Rothert, W., 5: 657 Rothmayr, F., 4: 147 (142) Rouppert, C., 5: 362 Rous, P., 2: 442 Rouschal, E., 5: 377, 378, 379, 425, 471 Roux, E., 3: 211 (52) Rowe, E. A., 4: 570 (117) Rowland, J. W., 4: 68 (88) Roward, J. W., 4: 08 (88) Royer, C., 4: 41 Roze, E., 4: 602 Rübel, E., 1: 212, 213, 355 (132), 357, 360 (132); 3: 430, 442, 444; 4: 51 (90), 53, 54, 55, 56 (89), 57 (89), 60, 62 (89), 73; 5: 547, 548, 549 (50), 551 (50), 551(50), 551 Rubenstein, B. B., 2: 15, 41 Rudloff, C. F., 2: 318, 329 (86) Rudolph, H., 2: 9, 11 Rudolph, K., 1: 44, 46; 5: 643, 646 Rudorf, W., 1: 123; 2: 127 (448); 3: 265; 4: 595 (303), 600 (304) Ruehl, W. H., 4: 85, 88, 101 Ruge, U., 5: 659, 660 Ruggles, A. G., 5: 302 (209) Ruggles, A. G., 5: 302 (209)

Ruhland, W., 2: 110; 3: 128, 129, 130, 143; 5: 352, 489 Rumbold, J. S., 3: 524 Runnels, H. A., 2: 513 (123), 590 (97-100)Ruot, M., 3: 201 (245) Ruppius, H. B., 4: 21 Ruprecht, R. W., 2: 176 (151), 180 (151), 181 (28), 182 (129); 4: 185 (107)Russell, E. J., 3: 108 (215), 153 (215), 154 (215), 157, 196, 197, 198, 200, 205 (313), 218 (314) Russell, H. L., 4: 351 Russell, R., 2: 180 (130) Russell, W. C., 2: 43 (450) Russow, E., 5: 375, 376, 381, 385–392, 394, 395, 400, 406, 409, 410, 413, 415, 416, 418, 421, 424 Rutgers, F. L., 2: 567, 568, 576, 579, 580 Ruttle, M. L., 2: 541; 3: 348; 5: 444, 564, 570, 589 Růzička, V., 4: 90 Ryan, M., 4: 644 Rygh, O., 2: 43 Ryker, T. C., 1: 506 (90)

Saastamoinen, S., 3: 217 (401), 625, 631 Sabinin, D. A., 4: 589, 592 (305), 606 Sachs, J., 1: 162; 2: 49, 99; 3: 51, 64, 175, 182, 459, 460, 466–469, 473; 4: 499, 504 (124), 506 (124), 507 (124), 508, 517, 520, 581, 600; 5: 132, 134, 454, 657
Saegar, A., 2: 185 (131) Sahasrabuddhe, D. L., 3: 214 (316) Sahli, G., 3: 558, 560 Sahni, B., 1: 428, 430 (44), 431, 438, 439 (43), 441, 444 (40); 2: 404 (54) Saito, K., 4: 153 Saito, K., 4: 153
Sakaguchi, K., 4: 145 (147); 5: 334
Sakamura, T., 1: 467; 3: 254 (52);
4: 447, 448, 450, 452, 454, 455, 592
(308); 5: 211 (112), 212, 215, 227,
334, 337, 353
Salaman, R. N., 1: 12 (59); 4: 556
(118), 557
Salfeld, H., 2: 404 (55)
Salisbury, E. J., 1: 90 (55), 227
(64), 369 (133), 4: 51 (92), 52,
53, 56 (92), 61, 65 (92), 211, 220,
221 (45): 5: 108, 555

221 (45); 5: 108, 555 Salm-Horstmar, Fürsten zu, 4: 183 Salmon, E. S., 2: 592 (35), 594 (61,

Salmon, M. R., 3: 381 (122) Salter, R. M., 3: 206 (317) Sampson, A. W., 3: 210 (318); 5:

Sampson, H. C., 2: 489 (58) Sampson, K., 1: 124 Samuel, G., 1: 4 (61), 6 (60), 453; 2: 184; 4: 190, 561; 5: 244 (59, 60), 245 (59), 472, 476–478 Samuelson, G., 3: 425, 429, 437

Sanarelli, G., 4: 99
Sanborn, E. I., 2: 399 (17); 4: 382 (27), 383 (27), 393 (27)
Sanborn, J. R., 4: 152 (135–137)

Sande-Bakhuyzen, H. L. van de, 2:

Sando, C. E., 2: 11 (455); 5: 532 Sando, W. J., 1: 470 (98), 471 (70), 475 (70); 2: 37, 137, 140 (313); 3: 266; 4: 594 (225, 226), 595 (227)

Sandrinelli, R., 3: 368 (97)
Sands, H. C., 2: 537 (11)
Sands, W. N., 4: 418 (129)
Sanford, G. B., 1: 50 (91); 4: 171,
172 (130), 173 (129, 130)

Sani, G., 3: 105 (217), 111 Sansome, F. W., 2: 197, 204 (44), 207 (44); 4: 587 (309), 601; 5: 582, 584

Santen, A. M. A. van, 5: 676 Sapéhin, A. A., 1: 474, 486 Saporta, G. de, 2: 70 (16), 402 Saran, A. B., 2: 40

Sarazin, A., 4: 416 (32) Sarbadhikari, P. C., 5: 433, 442, 445. 446

Sargent, C. S., 4: 380 Sarles, W. B., 3: 371 (74), 375, 377 (28)

Sarvis, J. T., 4: 62 (94), 67 (93), 76 (93); 5: 173, 174
Sass, J. E., 4: 399 (131, 132), 645, 646; 5: 589

Satina, S., 4: 585, 595 (312); 5: 4 (17, 18, 21), 30 (21), 31 (17, 18), 32 (17, 18), 591 Sato, D., 5: 604 Sato, W., 5: 550 Satoh, S., 4: 168, 487 (59)

Sattar, A., 4: 434 Saunders, D. H., 3: 618, 620, 621

623; 4: 484 (79); 5: 213 (85), 328, 329 (40), 335 (40), 339 Saunders, E. R., 1: 80-87, 93; 5: 103,

Saunuers, E. R., 1: 80-87, 93; 5: 103, 104, 105 (56), 111-112 Sauton, B., 5: 225 Sauvageau, C., 2: 554, 559 (24, 25, 27, 29), 560 (26-28), 561 (19-23, 26)

Savage, D. A., 4: 56, 58 (95), 59, 68 Savastano, G., 4: 169, 171 (133), 480, Savchenko, P. F., 5: 14 (244), 30 (244), 32 (244) Savelli, R., 4: 600 Savulescu, T., 1: 126 Sax, K., 1: 100, 468, 485; 2: 533, 537 Sax, K., 1: 100, 468, 485; 2: 533, 537 (92), 539 (93), 540, 541 (91), 542 (91, 93), 543 (93), 544, 546 (91a); 3: 241 (53), 335, 342, 343, 346, 601, 608; 5: 11, 14, 28 (245), 26 (245), 27 (245), 28 (245), 566, 569, 572, 576, 582, 588, 609, 611, 614
Saxton, W. T., 1: 194, 197
Sayles, R. W., 1: 42
Sayre, I. D. 1: 364 (134): 2: 8, 16 Sayre, J. D., 1: 364 (134); 2: 8, 16 (457), 31 (456), 33, 509 (111, 112), 517 (112); 5: 532, 533, 536, 538 Scalia, G., 2: 441 Scandellari, G., 5: 221 (110), 227 Scandellari, G., 5: 221 (120), 227 Scanlan, J. T., 3: 76, 81 (20) Scarth, G. W., 1: 23, 31, 69; 2: 17 (459), 33 (458, 459), 143 (459); 3: 7, 18-20; 4: 515 (126); 5: 358-Sceglova, O. A., 3: 265 Schacht, H., 2: 71 (17) Schaede, R., 3: 213 (320), 390; 5: 143, 146, 353, 355 Schaeppi, H., 5: 121, 124, 126 (62-64), 127 Schaffner, J. H., 2: 128 (460), 141 (461-463), 469; 4: 583 (317-324), 590 (318), 595 (312, 325), 597, 598 (319, 324, 328), 601, 602 (314, 323, 326, 329, 331, 332), 603 (316, 322, 324) 324) Schaffnit, E., 4: 170 (134), 572 Schaffstein, C., 2: 539 (94) Schander, R., 4: 565 (122), 566 (121), 568 Schanderl, H., 1: 360 (135); 2: 11 Schappelle, N. A., 2: 137; 3: 269; 4: 601 (333) Scharrer, K., 2: 175 (137), 177 (138), 180 (135), 184 (136), 185, 187 (133, 139), 188 (140), 189 (139); 3: 311, 631, 632; 4: 603 031, 032; 4: 003 Schätzel, K., 1: 412 (93) Schaudinn, J., 4: 90, 99, 100, 102, 104, 105; 5: 15, 23 (246) Schechter, V., 2: 52; 5: 150 Scheibe, A., 1: 122, 123 Scheitterr, H., 2: 420, 421, 428 Scheitterr, H., 2: 420, 421, 428 Schellenberg, G., 1: 279

Schemakhanova, N. M., 4: 136 (16) Schenck, H., 1: 385 Schenk, A., 3: 460, 466, 468, 470, 473, 474 Scherbatoff, H., 2: 174; 4: 184 Scherbaton, H., 2: 174; 4: 184 Schermerhorn, L. G., 2: 23 (360– 362), 26 (362); 3: 99 (152), 110, 136 (154), 142 (154), 323; 4: 186 (99), 192 (100), 606 (261) Schertz, F. M., 2: 11, 42 (468) Schick, R., 1: 239 (49); 2: 125, 136 (470); 3: 259 Schidrowitz, P., 3: 525 Schiemann, E., 1: 239 (56), 468; 3: Schiffner, V., 2: 59 (29), 60; 5: 51, 5.3 Schilbersky, K., 1: 500 (92), 502 (92) Schilder, F. A., 5: 296 Schiller, J., 4: 482, 489 Schilling, E., 2: 420 Schimmel, B., 1: 413 Schimper, A. F. W., 3: 529; 4: 509, 512, 513, 514 (129), 518-521; 5: 546 Schindler, H., 5: 22 (249) Schiveley, A. F., 4: 24, 30, 37 Schielderup-Ebbe, T., 4: 252, 270 Schleider, R., 4: 23, 35 Schleider, M. J., 3: 1, 2 Schlenker, G., 4: 119, 123 Schley, E. O., 3: 183 Schley, E. O., 3: 183'
Schleyser, L. A., 2: 367 (49); 4: 120, 121, 122, 124
Schmid, R., 2: 175 (141)
Schmidle, W., 4: 667
Schmidt, A., 2: 352; 3: 512 (65), 552, 553, 556; 4: 585 (336); 5: 456 (54), 457 (54), 459, 460 (54)
Schmidt, E. W., 3: 52, 59, 522; 5: 140, 373, 376, 379, 388–390, 393, 396, 399–401, 488, 489
Schmidt, G. W., 1: 412 (95), 415
Schmidt, H. D., 4: 638, 646
Schmidt, M., 1: 280 (45); 2: 256; 4: 117 117 Schmidt, O., 3: 322 (85), 323 Schmidt, P., 1: 152 (19), 157, 158 Schmidt, W. J., 5: 604 Schmitz, F., 1: 138; 4: 511 (131), Schmitz, H., 4: 172 (181) Schmucker, T., 2: 13, 421; 4: 600 (337)(337) Schnarf, K., 1: 194; 2: 565 Schneider, B., 5: 592 Schneider, E., 2: 15 (473); 2: 420 Schneider, G., 2: 478 Schneider, H. A., 2: 379

Schneider, K., 3: 144, 153, 154 (218) Schneiderhan, F. J., 2: 590 (85); 3: 196 (321) Schneider-Orelli, O., 3: 53 Schnitzler, O., 4: 119 Schober, R., 5: 221 Schoder, A., 1: 361 (136), 367 (136); 2: 17 (474) Schoeller, W., 3: 631, 632; 4: 603 (338, 340) (338, 340)
Schoening, H. W., 2: 375 (27), 376 (27), 391 (27)
Scholz, W., 2: 183 (142)
Schomer, H. A., 1: 359
Schönfelder, S., 2: 304 (115)
Schönleber, K., 5: 352, 357
Schopfer, W. H., 3: 621; 4: 154, 484, 492, 587; 5: 328, 339
Schopmeyer, H. 4: 160, 402 (65) 492, 587; 5: 328, 339
Schopmeyer, H., 4: 169, 492 (65)
Schorer, L., 4: 30
Schottelius, M., 4: 91
Schou, S. A., 2: 13 (475)
Schoute, J. C., 1: 87; 5: 105
Schouten, S. L., 4: 639, 643, 645
Schrader, F., 4: 462, 583 (342); 5: 590, 592, 593, 595, 615
Schramm, J. R., 4: 631, 637
Schratz, E., 1: 270, 279 (46); 4: 585 (343–345), 586; 5: 435
Schreber, 4: 32
Schreiber, E., 2: 560 (30); 4: 133 Schreiber, E., 2: 560 (30); 4: 133 Schreiber, F., 1: 125 Schrieber, K., 1: 151 (20) Schreiner, O., 3: 149, 152, 196 (330), 197, 200 (322), 201 (326), 207 (327), 208; 4: 189 Schrenk, H. von, 2: 420 Schreven, D. A. van, 2: 176 (146, 147); 4: 185 (115), 192 (114), 195 (115)(115)
Schröder, B., 4: 668
Schröder, M., 3: 199 (331), 215 (331), 216 (331); 5: 221, 332
Schroeter, C., 4: 13, 29
Schröpp, K., 3: 631, 632
Schropp, W., 2: 175 (137), 177 (138), 178 (134), 180 (135), 184 (136), 185, 187 (133, 139), 188 (140), 189 (139); 3: 311, 631; 4: 603
Schröppel F. 2: 44 47 (477) Schröppel, F., 2: 44, 47 (477) Schröter, C., 1: 211, 221, 223; 4: 55, Schüepp, O., 2: 98, 349, 355, 357, 364, 365 (51), 367; 5: 454, 456 (55), 457 (55), 458-460 Schulman, C. A., 5: 578 Schulow, I., 3: 202, 208 (332)

Schulthess, H., 2: 499 (113) Schultz, E. S., 1: 5 (62), 7 (62) Schultz, J., 5: 9, 10 (248), 578 Schultz-Schultzenstein, C. H., 3: 526 Schulz, A., 5: 224 (119) Schulz, E. R., 2: 110 (479) Schulz, G., 5: 221, 337 Schulz, O. E., 4: 24, 36 Schulze, B., 4: 24, 36 Schulze, B., 4: 133 (28) Schulze, E., 3: 87, 88 (230), 89, 90 (224, 228), 93 (220), 94 (229), 96 Schumacher, F. X., 4: 69 Schumacher, J., 4: 91, 92, 96, 107 Schumacher, W., 3: 58, 59 (63), 61; 5: 352, 377, 378, 379, 473, 484, 489-493 Schure, P. S. J., 4: 642, 644 Schürhoff, P. N., 1: 194; 4: 28 Schussnig, B., 4: 91, 134 (30), 135 (29, 31, 32) (29, 31, 32)
Schuster, J., 1: 190; 4: 97
Schütz, F., 4: 639, 644, 649, 652
Schutz, J., 3: 94
Schwabe, G., 3: 108 (232)
Schwäbel, F. X., 2: 513 (114)
Schwanitz, F., 4: 117, 120
Schwartz, W., 5: 229 (121), 230 (121)Schwarz, F., 3: 14 Schwarz, G., 5: 22 (249) Schwarz, M. B., 1: 458 (62) Schwarz, W., 2: 352, 356 (57), 357, 361 (57) Schwarzenbach, M., 1: 271, 281 (48); 5: 435 Schweickerdt, H., 2: 21 (480) Schweizer, J., 1: 270, 275, 276; 5: Schwenmle, J., 2: 342; 4: 119 Schwendener, S., 3: 191; 5: 456, 459 Scofield, C. S., 2: 177 (143); 5: 188 (109) Scofield, H. T., 3: 61, 65; 4: 543
Scott, D. H., 1: 185, 190, 191, 194, 383 (53-57), 384, 399 (53, 56), 427 (46, 47), 429, 431, 432, 434 (46), 435, 438, 439, 441, 443 (46), 444; 2: 406 (57); 3: 522, 587; 4: 208, 214, 217, 220 (47), 227; 5: 376, 422 422 Scott, F. M., 3: 6 Scott, G. H., 5: 149 Scott, J., 4: 23, 43 Scott, J. D., 5: 556 (55) Scott, K. G., 2: 15 Scott, L. I., 2: 18, 352, 354; 5: 455 (49)Scott, R. C., 2: 184 (144) Scott, R. R., 3: 462

Searls, E. M., 5: 302 (212, 213) Sears, P. B., 1: 37; 5: 628, 629, 631, 634, 636, 639, 640, 641, 644, 647, 648 648
Sebrell, L. B., 3: 539 (28)
Sedgwick, P. J., 1: 189
Seifriz, W., 1: 18, 59, 60, 62, 64; 4: 503, 643; 5: 556
Sellei, J., 2: 16 (482)
Semenoff, W., 5: 362
Semmens, C. S., 5: 586
Semmens, E. S., 2: 41 (483, 484), 42
Sempio, C., 2: 589 (86) Sempio, C., 2: 589 (86) Semple, A. T., 3: 205 (333) Sen, J., 3: 214 (334) Sen-Gupta, J., 3: 13 Senjaninova-Korczagina, M., 1: 467, 470, 471, 474
Senn, G., 3: 216 (335); 4: 500, 507
Serebrowsky, A. S., 5: 5 (250)
Sereiskii, A., 4: 595 (1934)
Sernander, R., 3: 446
Serrano, F. B., 1: 407 (96)
Serveille, J., 2: 592 (87)
Sessions, A. C., 2: 591 (88); 3: 102 (233), 104, 122 (233)
Setchell, W. A., 2: 558; 4: 376
Severin, H. H. P., 1: 3 (63); 4: 555 (124), 562 (123); 5: 241 (65), 243 (63), 245 (61), 246 (64), 256 (64), 266, 472, 475 470, 471, 474 266, 472, 475 Seward, A. C., 1: 185 190, 191, 194, 200, 387, 390 (60), 391, 392, 395, 437 (50), 443 (50); 2: 70 (19), 401 (61), 404, 406 (59); 4: 210, 219 219
Sewell, M. C., 3: 198 (336)
Seybold, A., 1: 359, 360 (138–143),
364 (138–142), 369 (142); 2: 11,
14; 4: 585 (53), 595 (53)
Shands, H. L., 1: 506 (93)
Shands, B. C. 5: 537 Shands, R. G., 5: 537 Shannon, A. M., 3: 369, 386 (66) Shantz, H. L., 2: 222; 4: 67 (97): 5: Shantz, H. L., 2: 222; 4: 67 (97); 5: 160, 161, 162 (64, 110, 111), 190, 191, 547, 549 (58)
Shapiro, N. N., 3: 14
Shapovalov, M., 1: 454; 5: 308 (214)
Sharp, L. W., 1: 54 (46), 55, 107, 110, 112; 2: 103 (488), 197, 259 (121), 532 (95), 534 (95), 536 (95–96), 539 (96); 4: 450, 454; 5: 28 (251), 566, 602, 603 566, 602, 603 Shaw, C. H., 4: 38 Shaw, L., 2: 255; 4: 168 Shaw, R. H., 4: 172 (138) Shear, C. L., 3: 300; 4: 437 (41), 632 Shear, G. M., 4: 411 (133) Sheard, C., 1: 365 (144, 145); 2: 50, 143 (489)

Shedd, O. M., 2: 177 (88), 180 (88), 182 (88), 185 182 (88), 185 Shedlowsky, T., 2: 287 (116), 291 (116), 298, 303, 304 (117) Sheffield, F. M. L., 2: 342; 4: 477, 549, 553, 562 Shelford, V. E., 4: 51 (98) Shepeleva, H., 5: 32 (166) Sherff, E. E., 3: 596 Sherman, H., 4: 260 Sherman, H. C. 3: 628, 631 Sherman, H. C., 3: 628, 631 Sherman, J. M., 4: 96, 172 (138) Shibasaki, Y., 1: 125, 126 Shigenaga, M., 2: 531 (97, 100); 4: 447, 449 (29), 450, 457, 458, 470; 5: 587 Shill, A. C., 1: 255 Shimakura, K., 4: 447; 5: 610 Shimamura, T., 1: 192, 193; 5: 135, 143 Shimke, N., 2: 531 (100), 537, 542 (99); 4: 449, 450-452, 454; 5: 587, 610, 613 O10, 013 Shirley, H. L., 1: 355; 2: 9, 14 (493), 17 (492), 22 (490), 39 (490, 492), 102 (492), 116, 117 (490, 492), 121, 125 (492), 136 (490) Shitikova-Roussakova, A. A., 1: 501 (94)(94)
Shive, J. W., 2: 178 (145), 182 (145); 3: 102 (37), 104, 105 (47, 48), 112 (234), 113, 116, 118 (210), 119, 122 (37, 38), 124, 139 (235), 140, 142 (48), 147, 312 (4, 17), 319, 321; 4: 185 (116), 190; 5: 539
Shiver, H. E., 2: 182 (126)
Shkolnik, M., 2: 178 (148)
Shoemaker, D. A. 4: 67, 68, 76 (00) Shoemaker, D. A., 4: 67, 68, 76 (99) Shorey, E. C., 3: 207 (327) Show, S. B., 5: 194 Showalter, A. M., 1: 271, 276 Shreve, F., 1: 368 (153); 2: 222; 5: 554-557 Shrikande, J. F., 3: 198 (336a) Shuck, A. L., 2: 45, 47 (493)
Shudl, C. A., 1: 360 (154, 155); 2: 10; 4: 263 (59), 537, 543
Shull, G. H., 4: 284, 310, 312, 602
(347, 348); 5: 3 Sibilia, C., 4: 169 Siddappa, G. S., 3: 208 (352), 218 (352) (352) Sidorov, B. N., 5: 5 (59) Siebert, A., 2: 10 (496) Siemaszko, J. H., 4: 448 (13), 466, 467 (13); 5: 362 Sierp, H., 1: 361 (156), 364 (156); 2: 33 (497); 5: 657 Sifton, H. B., 4: 265, 266

Siggers, P. V., 4: 439 Signer, R., 5: 578, 605 Siler, M. B., 1: 273 (53) Siler, M. B., 1: 273 (53)
Silow, R. A., 1: 449; 4: 281, 304, 305
Simon, C., 3: 526
Simon, S. V., 2: 124
Simonart, P., 4: 155 (139)
Simonet, M., 1: 480 (76); 3: 342
Simons, A., 5: 20 (106), 22 (106)
Sinclair, J. D., 5: 193
Sinden, J. W., 4: 403 (134), 410 (134), 412 (134)
Singh, B. N., 1: 362 (156a); 4: 431 (43); 5: 137, 184, 187
Sinnett, E. W., 2: 208 (47); 5: 455 (59) (59) Sinotô, Y., 2: 342; 4: 583 (349, 350) Sirks, M. J., 4: 113, 284, 285, 308, 337-341 Sisa, M. A., 2: 126 (499) Sisson, W. A., 2: 120 (499) Sisson, W. A., 1: 68 Sizova, M., 5: 27 (167), 30 (167) Sjollema, B., 2: 180 (149) Sjöstedt, L. G., 1: 144 Skalinska, M., 1: 104, 239 (57); 4: 126
Skallau, W., 3: 369
Skarzynski, B., 3: 631
Skaskin, T., 1: 361 (184)
Skinner, C. E., 2: 42
Skinner, J. J., 2: 176 (151), 180 (151), 183 (150); 3: 149, 152, 196 (338), 209 (339), 210 (339)
Skoog, F., 1: 167 (68), 168 (68), 175; 2: 35 (536), 48 (500), 51 (536), 111, 112, 128, 129 (536), 143 (536), 144 (536); 5: 22 (253), 480, 485, 486, 488, 493, 665, 666, 667 (85), 672
Skovsted, A., 1: 112; 2: 211 (48); Skovsted, A., 1: 112; 2: 211 (48); 3: 342 Skuja, H., 4: 665 Skupieński, F. X., 5: 354, 355, 357 Skutch, A. F., 2: 100, 364 Slack, H., 3: 1 Sleeth, B., 4: 439 Sloep, A., 2: 476, 479, 486, 489, 493 (59) Slogteren, E. van, 4: 594 (351) Sluckaja, M., 4: 595 Small, J., 3: 119, 126 (236), 179; 4: 587, 588 Smee, C., 5: 283-285 Smirnov, A. I., 2: 176 (152); 3: 132 Smirnov, E., 2: 133 Smith, C. O., 1: 411 (98) Smith, C. P., 5: 510 Smith, D. E., 4: 172 (143) Smith, E. B., 5: 308

Smith, E. F., 1: 412, 416; 2: 440-448, Smith, E. F., 1: 412, 416; 2: 440-448, 451; 3: 278 (9); 4: 165 (140)
Smith, E. H., 1: 449 (49)
Smith, E. P., 3: 13, 15; 2: 33 (503)
Smith, F. E. V., 4: 415 (135)
Smith, F. F., 1: 453; 2: 118, 120; 4: 552; 5: 274, 299 (219), 301 (220), 375, 327, 237 (219), 301 (220), 476, 477
Smith, F. G., 1: 188
Smith, F. H., 2: 531 (101), 532 (101), 534 (101), 536 (101), 538, 542 (101); 3: 251; 5: 590 Smith, G., 1: 340 Smith, G. E., 4: 4, 6, 8, 18 Smith, G. H., 2: 359, 361, 366; 5: 100 Smith, G. M., 1: 149; 2: 464, 466 (18); 4: 132 Smith, H., 3: 442 Smith, H., 3: 442
Smith, J. G., 5: 169
Smith, J. H., 4: 557; 5: 472
Smith, J. H. C., 5: 538
Smith, J. J., 4: 35
Smith, K. M., 1: 2 (65), 3 (64, 65), 6 (66), 7 (65), 451 (67, 68); 3: 500 (66); 4: 548, 557, 558, 560, 563 (130); 5: 240 (70), 241 (71), 245 (67), 261 (66), 242, 267, 279, 288, 472 472 Smith, L. B., 3: 338; 5: 244 Smith, L. H., 2: 421 Smith, L. L. W., 2: 11, 42 (505), 108 (506)Smith, M. A., 2: 588 (89), 589 (89), 591 (82), 596 (82) Smith, M. C., 2: 43 (507, 508), 144 (508)Smith, M. G., 4: 170 Smith, M. L., 3: 216 (188) Smith, O., 2: 11, 108 (506) Smith, R. E., 1: 506 (117); 2: 489 (60)
Smith, R. C., 1: 2 (69), 5 (69)
Smith, R. E., 1: 3 (70), 5 (70), 344,
449 (49, 69), 502 (36); 2: 238, 251;
4: 165 (142), 559 (131), 568 (131)
Smith, R. W., 2: 579
Smith, S., 3: 628
Smith, S. G., 2: 532 (34, 35), 533
(34), 537 (35), 538, 539, 540 (35),
541 (35), 542 (35), 544; 3: 254,
255, 345; 5: 566, 611
Smith, T., 1: 327; 4: 172 (143)
Smith, W. K., 1: 124, 506 (96)
Smith, W. M., 5: 628, 632 (60)Smith, W. M., 5: 628, 632 Smith, W. W., 3: 345, 347 Smock, R. M., 3: 153 (238) Smolak, J., 5: 298 Snell, A., 5: 496, 497 Snell, D. C. 5: 204 Snell, D. G., 5: 584

Snell, G. D., 5: 17 (254) Snell, M. E., 4: 189 Snow, R., 1: 175, 177 (51); 2: 52 (510, 511), 129 (511), 144 (510); 5: 485 Snowden, J. D., 5: 547 Snyder, C. D., 2: 6 (512) Snyder, W. C., 2: 178 (57); 3: 311, 321 Sô, M., 1: 239 (58) Söding, H., 1: 71, 163 (52, 53), 171, 172; 3: 182; 4: 582 (353); 5: 639, 669 (86) Sokolow, I., 5: 602 Solberg, P., 3: 201 (340), 202, 207 Söllner, K., 1: 30 (15); 2: 304 (118), 305 Solms-Laubach, E., 2: 71 (2); 4: 35 Solunska, N. I., 2: 175 Somazawa, K., 4: 560 Sömme, A. S., 2: 198 (49), 202 (49) Sommer, A. L., 3: 109, 308, 309, 328 Sommer, A. L., 3: 109, 308, 309, 328 (92); 4: 186, 187 (118), 194 (117) Sonnenschein, C., 3: 514 (67) Sonnatg, P., 2: 356 (60) Sorauer, P., 4: 548 Sorby, H. C., 4: 514 (136) Sørensen, T., 3: 448 Sorokin, H., 4: 186, 522 (137); 5: 355 Sousa da Camara, A. P. de, 5: 3, 25 (28), 574, 577 (28), 574, 577
Southern, B. L., 2: 501 (115, 116), 512 (115, 116), 573 (115, 116)
Souville, M. G., 4: 601
Spallanzani, L., 3: 1, 23
Spaulding, P., 5: 197
Spek, J., 1: 19, 31; 5: 353
Spence, D., 3: 524 (89), 525 (90), 528, 530, 532
Spence, I. 4: 3 (33-35): 5: 191 Spence, L., 4: 3 (33–35); 5: 191 Spencer, J., 2: 482 (61) Spessard, E. A., 2: 461, 469 Spier, J. D., 1: 69, 468 Spier, J. D., 1: 69, 468
Spierenburg, D., 1: 458 (70)
Spierer, C., 1: 21
Spinden, H. J., 4: 13
Spinks, G. T., 2: 267
Spoehr, H. A., 2: 7, 11, 40; 3: 95, 98, 108; 4: 516 (138); 5: 557
Spohn, H., 2: 11
Spohr, F. 3: 631 Spohn, H., Z: 11
Spohr, E., 3: 631
Sponsler, O. L., 1: 26 (50, 51), 27
(51), 59 (48-53), 62-66; 2: 477
Sprague, G. F., 4: 595 (355), 597; 5: 18 (267-269), 19, 27 (269)
Sprague, H. B., 3: 205 (341), 210
(341); 5: 22 (255)
Sprague, R., 5: 163

Sprague, V. G., 5: 302 (90) Spratt, E. R., 1: 82 (81) Sprecher, A., 1: 193; 4: 583 (356), Sprecher, A., 1: 193; 4: 583 (356), 590 (356)
Sprengel, K. P. J., 4: 498
Springer, E., 5: 435
Spruce, R., 2: 63 (30); 5: 63, 70
Stacy, M., 4: 148 (71, 72)
Stadler, L. J., 1: 296 (60, 62), 298 (62, 63), 299 (62), 311, 312, 314, 486; 5: 4 (256, 257), 5 (264), 9, 10, 14 (256-260), 15, 16, 18 (257, 266, 269), 19, 20, 25, 27 (269), 28 (262, 265), 33 (256-266), 575
Stadnichenko, T., 3: 585
Staehelin, M., 5: 295
Stahel, G., 1: 408 (99); 4: 569
Stahl, A. L., 3: 102 (242), 112 (234), 119, 122 (242), 124, 147
Stahl, Chr., 5: 518, 520, 521, 522, 528
Stahl, C. F., 1: 9; 4: 559 (31), 568 (31); 5: 245 (8)
Stahl, E., 2: 456; 3: 361; 5: 435
Stakman, E. C., 1: 120-125, 347, 348, 457, 500 (97), 502, 506
Stâlfelt, M. G., 1: 360 (160), 361, 363 (158-161)
Stallings, J. H., 3: 205 (342) 590 (356) 505 (138-101)
Stallings, J. H., 3: 205 (342)
Stamm, A. J., 1: 27
Stamp, L. D., 5: 547
Stambury, F. A., 2: 103 (517)
Stanfield, J. F., 4: 587 (357), 588, 589, 591 Staniland, L. N., 4: 434 (44, 45); 5: 288, 293 (226) Stanley, A. R., 1: 410 Stanley, O. B., 5: 183 Stanley, W. M., 2: 293 (109-111); 3: 501; 5: 259 Stansfield, F. W., 3: 476, 490; 5: 441 Stantial, H., 3: 618 Stanton, T. R., 2: 510 (74), 520, 521 (74)
Stapledon, R. G., 4: 63, 65 (100), 72
Stapp, C., 1: 405; 3: 388; 4: 98
Starin, W. A., 4: 644, 650
Staritz, C., 4: 570; 5: 383
Stark, P., 4: 96; 5: 657
Starkey, R. L., 3: 207, 209 (343)
Starling, E. H., 5: 662 (91)
Starrett, R. C., 4: 569
Starygin, L., 1: 414
Staudinger, H., 2: 478, 480 (63)
Stearn, A., 4: 96, 107, 636, 646
Stearn, E., 4: 96, 107, 636, 646
Stebbins, G. L., 2: 532; 5: 580, 582
Stebler, F. G., 4: 55, 69
Steckhan, J. F., 4: 601 (358a)
Steenbock, H., 2: 43 (518); 4: 151 (74)

Steenstrup, J. J. S., 1: 44
Steere, W. C., 3: 243
Stehle, K. B., 5: 214 (122)
Steidtmann, W. E., 4: 332
Steiger, T. L., 4: 55, 57 (102), 58, 59
Steil, W. N., 3: 478; 5: 433
Stein, E., 2: 450; 5: 3, 4, 23, 25 (274-281), 26, 582
Steinbauer, C. E., 4: 241 (62)
Steinbauer, G. P., 2: 116; 4: 241
Steinberg, R. A., 2: 184 (155), 185; 3: 267; 5: 208, 209, 210 (129, 133), 211 (123, 134), 212 (124, 127, 129, 132), 213 (124), 214 (130), 216 (126), 223, 224, 228, 230 (133), 231, 327 231, 327 251, 327 Steinecke, F., 2: 462, 464 Steiner, G., 4: 415 (136) Steiner, M., 3: 132 (97) Steinhart, H., 5: 229 (121), 230 (121)(121)
Stejneger, L., 3: 437
Stellwaag, F., 5: 294, 297
Stelzner, G., 2: 127 (448)
Stenar, H., 2: 572, 574
Stenzel, K. C., 3: 488
Stephan, J., 1: 364 (162, 163); 2: 9, 107, 122 107, 122
Stephens, H. L., 2: 19
Stephenson, R. E., 3: 207 (346)
Sterges, A. J., 2: 103; 3: 147
Stern, C., 1: 241 (59), 312; 2: 539 (103, 104); 5: 579, 583
Stern, K., 2: 49 (522); 4: 515 (140)
Stern, K. G., 5: 223 (137)
Sternberg, K. von, 4: 374
Sterner, R., 3: 425
Stevens, F. L., 4: 165, 174 (146) Sterner, R., 3: 425
Stevens, F. L., 4: 165, 174 (146)
Stevens, H. P., 3: 525 (91)
Stevens, N. E., 1: 500 (99), 503 (98); 3: 277; 4: 429, 677
Stevens, O. A., 4: 269 (64); 5: 511
Stevens, R. M., 5: 308 (230)
Stevens, W. H., 3: 525 (91)
Stevenson, J. A., 1: 501 (69)
Steward, F. C., 2: 32 (523), 290, 299; 3: 60, 67, 101 (180), 312 (103), 314 (7), 315 (99), 316 (77), 317 (100, 101); 4: 531; 5: 533
Stewart, F. C., 4: 265, 267, 398 (139), 411 (138)
Stewart, G., 3: 206 (347); 4: 65 (104), 68 (103)
Stewart, V. B., 1: 448; 5: 240 (57, 58) 58) Stewart, W. D., 1: 366; 2: 17, 43, 122, 143 (13) Steyaert, R. L., 1: 407 Stickland, L. H., 3: 374

Stieger, A., 3: 89 (243) Stiles, W., 1: 249; 2: 7, 11, 73 (20), 109; 4: 543, 583 (359) Stingl, G., 2: 420 Stirling, J., 1: 90 (82, 83) Stoa, T. E., 3: 204 (17) Stock, F., 1: 502 (100) Stockberger, W. W., 3: 524 (96) Stockholm, M., 3: 618 (20) Stockwell, P., 3: 339 Stockwell, P., 3: 339 Stoeckeler, J. H., 4: 60 Stoklasa, J., 2: 383 (49-51); 3: 198 Stoll, A., 2: 6 Stolle, A., 4: 515 (141) Stoller, B. B., 4: 414 (140) Stone, G. E., 3: 135 (244) Stone, G. M., 2: 249 Stone, L. H. A., 2: 533; 5: 2, 25 (282), 26 (180), 27 (235), 28 (282), 30 (283) Stone, W. E., 4: 499 Stone, W. E., 4: 499
Stoneburner, C. F., 5: 6 (294)
Stopes, M. C., 2: 402, 403, 411 (63)
Stoppel, R., 3: 179
Storey, H. H., 1: 1, 2, 3 (73), 4 (78, 80), 5 (72, 74, 76), 6 (77, 79), 8, 452, 453; 4: 193; 5: 240, 475
Störmer, I., 3: 631, 632; 4: 595 (135), 603
Stoughton P. H. 4: 61, 629 Stoughton, R. H., 4: 91, 628 Stout, A. B., **4: 275, 371,** 590 (362), 594, 602 (363) Stout, P. R., 5: 496, 497 Stover, W. G., 1: 10; 2: 513 (123) Stow, I., 4: 592 (308), 593, 598 Stow, I., 4: 592 (505), 556, 556 Straib, W., 2: 268 Strain, H. H., 4: 516 (143) Strasburger, E., 3: 51, 52; 4: 466, 570, 571 (137), 583 (366, 367), 602 366), 634; 5: 373, 375–377, 381, 383, 385, 389, 391–393, 395, 396, 405, 407, 409–416, 418, 419, 421, 424, 426, 434, 446, 447, 449, 454, 458, 461

Straub, J., 5: 563, 567, 573, 582, 588, 589, 600, 601, 608, 613, 614 Straus, A., 2: 399 (65) Street, O. E., 2: 32; 4: 192 (4) Streeter, L. R., 2: 4 (382), 12, 110 (528)(326) Streets, R. B., 2: 503 (8) Strock, L. W., 2: 382 Stroebe, H., 2: 448 Stroede, W., 1: 502 (102) Ströer, W. F. H., 4: 593 (368) Strohmeyer, G., 4: 448 (32), 449, 450, 451, 453, 454, 457, 460, 468

Strong, F. M., 4: 150 (89) Struckmeyer, B. E., 4: 600 (298): 5: Strugger, S., 1: 171, 173; 3: 182, 183; 4: 453, 510; 5: 351, 352, 355-359. 362 Stuart, N. W., 3: 93 (247), 103 (246), 110 Stubbe, H., 4: 127; 5: 4 (284, 285), 9, 10, 14 (284-288), 18 (225), 19, 24, 33 (284-287) Stubbs, J. J., 4: 143 (108) Studhalter, R. A., 5: 81 Stur, D., 1: 185 Sturdy, D., 3: 212 (350) Sturtevant, A. H., 2: 329 (48, 49), 330, 332; 4: 114; 5: 581, 582 330, 332; 4: 114; 5: 581, 582 Styer, J. F., 4: 398 (62, 142), 403 (142), 405 (141, 142), 408 (142), 417 (143); 5: 328, 329 Su, M. T., 4: 418 (144) Subrahmanyan, V., 2: 182 (68); 3: 199 (182, 183), 208 (352), 218 (352)Sucharipa, R., 2: 479, 491 Suche, M. L., 5: 27 (235) Süchting, H., 3: 213 (353) Sudworth, G. B., 4: 380 Sudworth, G. B., 7: 300 Suit, R. F., 1: 417 Sulkin, S. E., 3: 517 Sullivan, M. X., 3: 196 (330) Sumiki, Y., 4: 155 (141) Summerhayes, V. S., 3: 608. Summers, E. M., 1: 7; 5: 241 (41, 42) Suryanarayana, M., 3: 217 (268) Süssenguth, K., 2: 420; 5: 613 Susucki, U., 3: 91 (249) Sutó, T., 3: 346 Sutter, H., 4: 147 (142-144) Sutton, E., 5: 582 Svedberg, T., 2: 7, 224 (39); 5: 134, 130 140 Svedelius, N., 1: 139, 140, 144, 152 Swanback, T. R., 4: 184, 192 (4) Sweet, A. T., 5: 188 (120) Sweet, O. E., 1: 363 (166) Swezy, O., 5: 255, 256, 591 Swingle, D. B., 2: 398 (66) Syles M. G. 4, 592 (270), 5: 23 Sykes, M. G., 4: 583 (370); 5: 390, 393, 401, 406 Sylvester, S. Z., 3: 154 Swanson, A. F., 2: 506 (117) Szafer, W., 1: 39-42; 5: 628, 640, 642 Szakien, B., 5: 433 Szeglova, O. A., 2: 36, 39, 40 (285), 119, 136 (286) Szegvari, A., 1: 24 (13), 32; 3: 526 Szücs, J., 4: 144 (145); 5: 147, 358

Tacke, B., 4: 70 (105) Tadokoro, T., 3: 89 (252); 4: 587 Taft, C. E., 2: 458 Tageeva, S., 2: 28 (530) Tai, F. L., 1: 340
Takagi, F., 4: 592 (374), 593 (374)
Takahashi, T., 4: 145 (147), 146 (146), 147 (147, 148) Takahashi, Y., 4: 604 (421 Takami, N., 1: 2 (83), 5 (83) Takamine, J., 4: 155 (149) Takamine, N., 5: 19 (289), 610 Takamoto, S., 1: 407 (118), 408 (119)Takeda, K., 4: 148 (150) Takenaka, Y., 4: 583 (374a) Takimoto, K., 4: 628
Takimoto, S., 1: 407 (47)
Talbot, M. W., 5: 169, 171 (121), Taliaferro, W. H., 1: 410
Talibly, C. A., 2: 178 (156)
Talley, P. J., 4: 587 (375), 590 (375– Talts, J., 3: 187 (55)
Tamiya, H., 5: 329
Tammes, P. M. L., 5: 493
Tan, C. C., 3: 346; 5: 27 (291, 292)
Tanaka, I., 3: 152 (253)
Tanaka, Y., 4: 115
Tandon, S. P., 3: 216 (354)
Tang, P-S., 1: 254; 2: 40
Tansley, A. G., 1: 215, 216, 218, 221, 225, 387 (62), 392; 2: 225; 4: 52, 60, 61; 5: 194 (122), 407, 549 (65)
Tapke, V. F., 2: 269 (126), 498 (119), 511 (118)
Tapley, W. T., 4: 589 (378)
Tarr, H. L. A., 3: 374
Tarr, L., 2: 492, 493
Tarwidowa, H., 5: 355, 362 377) Tarwidowa, H., 5: 355, 362 Taslim, M., 4: 434
Tate, H. D., 1: 3 (17); 4: 561 (44);
5: 241 (19), 288, 477 5: 241 (19), 288, 477

Tatum, E., 3: 623

Taubenhaus, J. J., 1: 508 (31); 2: 256 (29), 503 (120), 511 (121); 5: 328, 329, 332

Tauböck, K., 3: 88, 92 (96, 102), 152

Taylor, C. V., 4: 639, 641; 5: 139

Taylor, G. B., 4: 166, 174 (101)

Taylor, J. W., 2: 499 (122, 126)

Taylor, L. S., 5: 6 (293, 294), 8 (293)

Taylor, T. 4: 401 (145) Taylor, T., 4: 401 (145)
Taylor, W. R., 2: 532 (106), 536 (107), 540 (107), 541 (107), 542

(107), 554; 3: 241, 247; 4: 132 (36)Teakle, L. J. H., 3: 328 (105) Tedin, O., 1: 122; 2: 44 (532); 3: 401, 412 Tehon, L. R., 1: 505
Telezynski, H., 2: 531 (108–111), 532 (108–111), 534 (109, 111) 536 (108, 109, 111); 4: 448 (33), 449, 450, 451, 454, 467 Teller, G. L., 3: 88 (254)
Templeman, W. G., 3: 94, 99
Ten Broeck, C., 5: 246 (51), 249, 252, 253 Tendeloo, N., 1: 167 (60) Teng, S. C., 4: 644, 645 Tengwall, T. A., 2: 223 (32); 3: 441, Tennant, J. L., 3: 197 (276), 206 (276)Tenney, F. G., 4: 411 (154) Teodoresco, E. C., 1: 360 (167), 364 (167), 365 (168); 2: 14, 104, 106, 107, 132 Teorell, T., 2: 286 (122, 123, 125), 296 Terao, H., 1: 239 (60, 61); 4: 327, 328 Terasawa, Y., 1: 236 (62), 239 (62) Terlikowski, F., 2: 177 (157) Ter Louw, A. L., 1: 236 (2); 4: 103 Ternovsky, M. F., 5: 23 (295), 32 (295, 296), 33 (296) Terrill, H. M., 5: 11 Terroine, E. G., 5: 328 Tetley, M., 1: 162 (61) Terroine, E. G., 5: 328
Tetley, M., 1: 162 (61)
Tetley, U., 2: 365
Tharaldsen, C. E., 4: 639
Thatcher, R. W., 3: 200 (355)
Thaxter, R., 1: 335 (66)
Thelin, G., 3: 152 (255)
Theorell, H., 2: 41, 43 (535); 3: 631
Thielmann, M., 2: 421
Thieseen, R. 1: 28 60 Thielmann, M., 2: 421
Thiessen, R., 1: 28, 60
Thimann, K. V., 1: 163 (65), 166
(62, 67, 69), 167, 168 (68), 170
(66), 174, 175, 177 (64); 2: 35
(536), 51 (536), 111, 112, 128, 129
(536), 143 (536), 144 (536), 273
(127); 3: 217 (356), 391, 624; 4:
492 (66), 555; 5: 479, 480, 481,
484, 665, 673
Thiry, G., 5: 231 (34)
Thoday, D., 2: 52 (537), 4: 542
Thoday, M. G., 5: 390, 393
Thole, H., 5: 219 (9)
Thomae, C., 4: 145, 156, 171 (32), 477
(67)
Thomae, K., 5: 406, 416 Thomae, K., 5: 406, 416

Thomas, B. H., 3: 218 (77) Thomas, C. A., 4: 416 Thomas, H. E., 1: 88, 89, 90, 448, 501 (107), 508 (108, 109); 2: 180 (118), 255 Thomas, H. H., 1: 185; 2: 397; 3: 372 (43); 5: 110, 118 572 (40); 51 110, 118
Thomas, J. A., 4: 91, 92
Thomas, J. O., 4: 70
Thomas, M., 1: 263, 264
Thomas, P. T., 5: 590, 604
Thomas, R. C., 2: 509 (111, 112),
517 (112); 3: 507, 511
Thomas, W. 2: 93, 94 (257), 100 517 (112); 3: 507, 511
Thomas, W., 3: 93, 94 (257), 100 (257, 258, 260), 100 (257), 101 (261, 262), 105 (257, 258, 259), 109 (259, 260, 262), 110 (260, 261), 104 (265), 200 (358), 322
Thompson, H. C., 2: 37; 4: 594 (379)Thompson, J. Mc., 5: 109 (72), 113 (72), 114 (70), 115 (71) Thompson, M. G., 5: 30 (297), 582 Thompson, N. F., 2: 110 (479) Thompson, W. P., 1: 469; 5: 30 (297), 411, 582 Thornber, J. J., 4: 55, 59 (107) Thornberry, H. H., 1: 407 (120); 3: 506 506
Thorne, D. W., 3: 371, 372
Thornton, H. G., 2: 267 (129); 3: 203 (363), 207 (359, 360, 362, 364), 209 (362, 365), 210 (364, 366, 367, 368), 212, 213 (363), 384 (89), 389 (85, 86), 390; 4: 184
Thunberg, T., 5: 222
Thung, T. H., 1: 9, 12 (84), 416
Thunbark, S. 3: 442, 448, 449 Thunmark, S., 3: 442, 448, 449
Thurmann, J., 5: 155
Thwaites, F. T., 1: 39 (45)
Tibeau, M. E., 4: 589, 592 (380, 381), 603
Tiedjens, V. A., 2: 142; 3: 105 (264),
112, 119, 124 (265), 135, 136, 141,
142 (263, 265), 312 (109); 4: 589,
602 (382), 604, 605 (382), 606
Tiegs, E., 4: 156
Tiffany, L. H., 2: 456
Tihomirov, I. K., 5: 196
Tikhovskaiia, Z. P., 2: 14
Tilford, P. E., 2: 510 (133), 516
(124, 133)
Tilly, F., 2: 47 (541) 603 Tilly, F., 2: 47 (541) Timofeeff Ressovsky, N. W., 5: 8 (308), 9 (317), 10, 12, 17, 27 (306) Tims, E. C., 4: 166, 172 (147), 173 (147), 174 (147)

Tincker, M. A. H., 2: 28, 32, 125, 136 (542, 543); 3: 160; 4: 590 (384)

Tinney, F. W., 1: 275
Tischler, G., 1: 467 (114, 115); 3: 343; 4: 450 (34)
Tisdale, L. E., 2: 589 (90)
Tisdale, W. B., 3: 213 (369)
Tisdale, W. H., 1: 124; 2: 264, 506 (125), 513 (126), 514 (126)
Tiscing H 4: 86 Tissier, H., 4: 86 Titova, N., 5: 32 (166) Tittsler, R. P., 3: 214 (370) Tittsler, K. P., 5: 214 (3/0) Tiukow, D., 4: 148 Tjebbes, K., 4: 327 Tobler, F., 3: 525, 528, 529 Tobler, M., 1: 282 (56); 4: 117 Tochinai, Y., 1: 407 (122); 5: 328, 332 Todaro, F., 4: 265, 266 Todd, A. R., 4: 154 (41) Toenniessen, E., 4: 95 Togashi, K., 1: 125, 126; 4: 632, 646 Tolaas, A. G., 4: 415 (147)
Tollenaar, D., 5: 32 (309)
Tolmachev, I., 2: 32, 99 (544)
Tomkins, R. G., 4: 431
Tönnis, B., 3: 619; 4: 484, 489 (42); **5**: 338 Toole, E. H., 4: 247, 265 Topi, M., 5: 294 (233-235) Topley, W. W. C., 3: 500 (71); 4: 636, 648 636, 648
Torniainen, M., 3: 382 (111)
Tottingham, W. E., 1: 366 (170, 171); 2: 19, 23 (547, 546); 3: 323 (110, 111); 5: 537, 539
Toumey, J. W., 1: 360 (174), 367 (173); 2: 441
Townsend, C. O., 2: 440, 444, 451
Townsend, G. R., 4: 190 (123)
Toxopeus, H. J., 1: 239 (63)
Tovama. K., 4: 115 Toxopeus, r. J., 1: 239 (03) Toyama, K., 4: 115 Traaen, A. E., 2: 503 (127) Trambusti, A., 2: 448 Transeau, E. N., 2: 459, 460; 4: 74; 5: 649 Trécul, A., 2: 355 Trela, J., 5: 642
Trelase, H. M., 2: 290 (126); 3: 112 (267, 268), 321; 5: 188
Trelease, S. F., 2: 99, 290 (126), 373; 3: 102, 112 (267), 321; 5: 188
Trelease, W. 2: 602 Trelease, W., 3: 603 Trenk, F. B., 5: 187 Trenkmann, C. R., 4: 99 Tretjakow, S., 5: 435 Treub, M., 2: 579; 3: 522; 5: 435 Treviranus, L. C., 3: 1; 4: 504 (147), 506, 509 Tribondeau, L., 5: 15 Troitskii, N. A., 3: 596

Troll, W., 1: 79; 2: 349, 355, 359, 368; 3: 421, 432; 5: 115, 116, 117, 118, 121, 122, 124, 125 (79, 80), 127 (81), 128, 462, 463, 464

Tröndle, A., 4: 133 (37)

Trudell, H. W., 3: 462

True, R. H., 3: 201 (371), 524 (96)

Truesdail, J. H., 3: 218 (412)

Truffaut, G., 3: 201 (372)

Trumble, H. C., 3: 206 (375); 3: 209 (373, 374, 375, 376), 210 (374)

Trumpf, C., 2: 100, 101, 132

Truog, E., 3: 200 (377)

Tschachotin, S., 4: 641 Tschachotin, S., 4: 641 Tschermak, E. V., 1: 480, 481 Tschesnokov, W., 1: 358, 361 (83-88), 362 Tschirch, A., 4: 500, 511 (149), 512, 514 (149) Tscholakow, J. W., 1: 122 Tschudy, R. H., 1: 359 (175), 2: 14 (552)Tsuge, T., 3: 371 (49), 388 Tu, C., 1: 121, 122, 123 Tuan, H-C., 2: 542; 3: 252 Tuewa, O. T., 3: 201 (378) Tukey, H. B., 2: 420 Tulasne, C., 4: 480 Tulasne, L. R., 4: 480 Tullis, E. C., 1: 448 Tully, W. C., 2: 378 Tunmann, O., 2: 483 (69) Tupper-Carrey, R., 2: 486
Turesson, G., 3: 401, 402, 403, 404, 406, 411, 412, 413, 432, 436, 437, 440; 5: 197 Turner, E., 2: 592 (71) Turner, H. A., 1: 501 (110) Turner, J. H., 4: 251, 270 Turner, J. H., 4: 251, 270
Turner, L. M., 5: 186, 188 (128)
Turner, P. E., 2: 183 (158); 5: 306
Turpin, H. W., 3: 200 (379)
Turpin, P. J. F., 4: 520
Turpin, P. J. F., 4: 520
Turrill, W. B., 3: 597, 606, 608, 609
Tuschnjakowa, M., 4: 583 (385)
Tuttle, A. H., 2: 462
Tuttle, G. M., 5: 539
Tuzson, J., 4: 25, 27, 38
Tweedy, F., 3: 466
Twentyman, R. L., 2: 512 (128), 513 (128) (128)Twort, F. W., 3: 499, 513 Tyagny-Ryadno, M., 3: 217 Tyner, E. H., 3: 328 (113) Tysdal, H. M., 1: 367 (176)

Uber, F. M., 2: 531 (23, 24), 532, 534

(25), 535 (25), 545; 3: 254; 5: 1, 572, 575, 614
Ubisch, G., 3: 178, 186-189
Uhlig, H. H., 2: 285 (116), 287 (116), 291 (116), 298, 303, 304 (117)
Uhrova, A., 1: 175, 176 (71)
Ukkelberg, H. G., 1: 502
Ule, E., 4: 31
Ulehla, V., 1: 71; 2: 421; 3: 190
Ullmann, W., 3: 605
Ullrich, H., 3: 94; 4: 97
Ullistrup, A. J., 5: 345 (91)
Ullyot, P., 3: 429
Ultée, A. J., 3: 524 (97)
Ulvin, G. B., 2: 125, 133
Umbreit, W. W., 3: 211 (381), 387 (92), 390
Umrath, K., 5: 357
Underhill, G. W., 5: 293
Umger, F., 5: 155
Unna, P. G., 5: 362
Upcott, M. B., 2: 535; 3: 242, 248, 252; 5: 582, 591, 609
Uphof, J. C. Th., 4: 21
Uppal, B. M., 1: 503 (112); 2: 510 (129), 513 (129); 3: 506; 4: 561; 5: 477
Upson, A., 5: 173 (132), 180 (132)
Upton, M., 4: 96, 107
Urich, F. W., 5: 305 (239), 308
Ursprung, A., 1: 172; 2: 3 (554, 555); 3: 12; 4: 538, 542; 5: 659, 669 (96)
Uspensky, E. E., 3: 214 (382)
Uyldert, J. E., 1: 163 (73), 176 (73), 5: 669

V
Vacha, K., 2: 16
Valletine, A. T. 5: 163 (51)

Vahle, C., 4: 100
Vakar, B. A., 1: 469 (118, 119), 480 (121)
Valentine, A. T., 5: 162 (51)
Valleau, W. D., 2: 248; 4: 436
Vandecavaye, S. C., 3: 379, 503, 504 (75), 507 (75), 513 (75), 515 (74), 517
Vandendries, R., 4: 165 (149, 151), 483 (69)
Vanderwalle, R., 2: 511 (130)
VanLanen, J. M., 3: 377 (56)
Van Niel, C. B., 2: 15 (556)
Van Overbeek, J., 1: 168 (45), 170 (45); 2: 48, 50, 99 (373), 100, 110 (373); 4: 185 (104); 5: 480, 481, 655
Varadaraja-Iyengar, A. V., 5: 533, 534, 538, 539

Vassil'ev, I. V., 5: 294 (243) Vassilieff, A. V., 4: 407 (86), 412 Vasudeva, R. S., 2: 257; 4: 174 (153) Van Tieghem, P., 1: 79; 4: 140 (152), 152, 628, 649; 5: 418 Vauquelin, L. N., 4: 149 Vavilov, N. I., 3: 404, 405 Veihmeyer, F. J., 3: 327 (114) Veitch, R., 5: 294 (244) Vejdowský, F., 2: 529; 4: 92 Velenovsky, J., 2: 401 (73, 74), 402 Velten, F., 5: 376 Venables, E. P., 5: 296 (245) Venkata, Rau, M. K., 1: 10 Verdoorn, F., 5: 87-89 Verge, G., 1: 507 (114) Verkaaik, B., 5: 656 (64), 667, 668 (64)Vernier, A. P., 3: 393 Vernier, P., 4: 96, 97, 98 Verplanke, G., 4: 553 Verret, J. A., 4: 240 Verwoerd, L., 1: 122, 123, 502 (115) Veselkin, N. V., 2: 11 Vesque, J., 5: 422 Vestal, E. F., 1: 502 (116), 503 (116) Vexler, D., 5: 139, 142, 144, 148 Vickery, H. B., 3: 85, 87 (271), 93, 98, 103 (273), 140 (199, 270, 276), 141 (272, 276), 144, 145 Vidal, L., 2: 486 Viehmeyer, F. J., 4: 415 (148) Vierhapper, 1: 222; 4: 35 Vik, K., 3: (384) Ville, G., 3: 365 Vilmorin-Andrieux et Cie, 4: 235, Vinall, T. N., 3: 205 (333, 385), 209 Viniklář, L., 2: 401 (74), 402 (75) Vintemberger, P., 5: 14 Vintemberger, P., 5: 14
Virchov, R., 2: 448
Virginia, B., 3: 309 (79)
Virtanen, A. I., 2: 42 (559); 3: 92 (280), 150, 201 (388), 205 (388), 207 (387, 388, 392, 396, 398–400), 208, 209 (389, 396, 397), 213 (399), 217 (401), 218 (388), 370, 371, 378 (104), 382, 383 (100, 102, 103, 106–109), 384, 386, 603, 625, 631
Vischer, W., 3: 533, 535, 536
Viswa Nath, B., 3: 217 (266, 267), 218 (269) 218 (269) Vita, N., 3: 368 Vladimirow, A. W., 3: 121 (281) Vöchting, H., 2: 49, 420, 429, 598

Vodinskaya, K. I., 5: 295
Voerkel, S. H., 2: 21
Vogt, W. W., 3: 539 (28)
Voit, K., 4: 92
Volck, W., 2: 593 (8)
Volk, A., 2: 268, 270 (137), 501
(131)
Volk, O. H., 1: 369 (178), 370
Volkens, G., 4: 40
Volkonsky, M., 2: 87 (34), 89 (34), 91 (34); 5: 332, 335
Volmer, M., 3: 52 (67), 64
Voorhees, R. K., 2: 105
Voorhies, E. C., 5: 175
Vorbuchner, K., 3: 201 (142)
Voss, J., 1: 41, 42, 43 (48), 47 (48), 49 (48); 5: 628, 649
Vouk, V., 4: 520
Vrydagh, J., 5: 283 (231)
Vyatkina, A. G., 4: 408 (86), 412 (86)

W

Wachter, W. H., 3: 596 Wada, B., 4: 448 (35-41), 449 (38-41), 450, 454, 455, 457–460, 463–469; **5**: 568, 587 Waddington, C. H., 5: 584, 614 Wadley, F. M., 5: 275 Wager, H., 4: 91 Wager, V. A., 4: 434 Wagner, A., 4: 91 Wagner, F. C., 3: 378 (20) Wagner, N., 3: 181 Wagner-Jauregg, T., 2: 13 (258); 3: 631 Wahlenberg, W. G., 5: 187 (134)
Waite, M. B., 1: 448, 449 (78); 2: 186 (159), 586 (91)
Wakakuwa, S., 1: 478 (60), 479, 480
Wakeman, A. J., 2: 427, 431
Wakeman, Roppe, G. 2: 108 Wakeman-Bonne, G., 2: 108 Wakker, J. H., 3: 17 Waksman, S. A., 3: 148 (282), 200, 214 (402, 402a), 215 (402), 217 (402); 4: 167, 172 (154), 405 (152), 407, 408 (152), 411 (154), 480 (70), 482, 490 (72); 5: 208 (42), 213 (141), 216 (42, 140, 141), 219 (141), 220 222 219 (141), 220, 222 Wald, G., 5: 671 Waldron, L. R., 3: 293 (6) Walkden, H., 2: 444, 446 Walker, C. E., 2: 448 Walker, J. C., 1: 329, 330, 506 (117); 2: 256 Walker, M. M., 1: 343 (15) Walker, M. N., 5: 241 (17), 255, 257, 258, 259

Walker, R. H., 3: 371, 372, 376
Wallace, H. E., 5: 243 (4), 245 (4), 246 (4), 247, 248, 250, 251, 253, 254, 256 (4), 262, 263
Wallace, T., 3: 154; 4: 191, 192 (124, 125), 193 (124, 125)
Waller, J. C., 2: 49, 143 (565, 566), 144 (565) Walter, E., 5: 556
Walter, H., 5: 534, 539, 540, 556, 671
Walther, O., 4: 585, 586, 593 (389)
Walton, C. L., 4: 434 (25)
Walton, J., 2: 54 (32, 33); 5: 59 Walton, C. L., 4: 434 (25)
Walton, J., 2: 54 (32, 33); 5: 59
Wamoscher, L., 4: 639, 644, 649, 652
Wang, Y., 5: 334
Wann, F. B., 2: 137; 5: 310
Wanscher, J. H., 2: 211, 212
Warburg, O., 1: 364 (179); 2: 5
(570), 6, 40, 41, 143 (570), 431
(121); 3: 631
Ward, F. D., 5: 16
Ward, G. E., 4: 145 (158), 147 (158)
148 (157), 149, 150; 5: 219 (70),
231 (71), 332
Ware, W. M., 4: 404 (18, 19, 155–
158), 415 (155), 416, 417 (157)
Warington, K., 2: 32, 173, 176 (162),
177 (161); 3: 308; 4: 184, 570
Warming, E., 4: 24; 5: 547, 548
Warmer, J. D., 4: 195 (6, 7, 8)
Warner, M., 3: 618
Warner, T., 3: 183
Warren, E., 3: 605
Warren, S. 4: 87 Warren, E., 3: 605 Warren, S., 4: 87 Warrick, D. L., 4: 534 Wartiovaara, U., 3: 385 Wasicky, R., 3: 631 (134) Wassermann, F., 5: 592 Wassilieff, N., 3: 87, 91 (284) Wassiljew, G., 5: 209, 211 (144), 218 (142), 219 (143, 144), 220 (144), 222 Waterhouse, W. L., 1: 122, 123, 127, 128, 131, 506 (119)
Waterman, H. C., 3: 246 (61), 255
Waterman, H. J., 5: 216 (145), 228
Waters, C. W., 2: 267, 268
Watkins, A. E., 1: 468, 469, 480
Watson, M. A., 5: 243, 244, 258 (89), 259, 265, 314 259, 265, 314 Watson, W., 3: 475 Watt, A. S., 3: 203 (403), 205 (403) 5: 550, 556 Watterson, A., 5: 2 (146), 217, 226 Watts, G. W., 2: 445 5: 213 (146), 216 Weatherwax, P., 4: 34, 599, 602, (390)

Weaver, J. E., 2: 125 (572); 3: 195 (404, 405); 4: 51 (115), 55, 56, 58 (116), 60 (19), 68 (115), 69, 73-76; 5: 181, 193 (72), 546 (73), 554 (73), 555, 556 (72) Webb, R. W., 4: 172 (162); 5: 240 (90)Webber, I. E., 4: 570 (142) Webber, J. M., 1: 104, 112; 3: 342 Weber, F., 2: 21 (573); 3: 12, 18, 19; 4: 506 (153), 515 (153, 154), 516 (156, 157, 159), 522; 5: 147, 148, 352, 359, 363 Weber, H., 4: 572 Webster, J. E., 3: 103 (285), 105 (285)Webster, J. R., 4: 27, 43 Webster, S. B., 5: 18 (133) Webster, T. A., 2: 14 (333) Wedell, W. R., 5: 166 Wedgworth, H. H., 4: 190 (123) Weed, A. J., 5: 134
Weevers, T., 3: 61, 88 (286, 287)
Wehmer, C., 4: 144 (160), 145 (161, 162); 5: 226 162); 5: 226
Wehrli, L., 4: 598 (392), 602 (392)
Weidt, E., 2: 352, 356 (66), 357, 363
(66), 364, 365 (66); 3: 554
Weier, T. E., 2: 342; 3: 3, 6, 249; 4:
497; 5: 134 Weij, H. G. van der, 3: 184; 5: 480, 481 Weimarck, H., 3: 602 Weimer, J. L., 2: 252, 488, 489 (35); 4: 170, 171 (164, 165); 5: 328 Weindling, R., 4: 167-169, 171 (167, 169), 172 (167-169), 173 (169), 174 (168, 169, 171), 475 Weinstein, A., 5: 583 Weinstein, A., 5: 583 Weiss, F. E., 3: 545 (40) Weiss, M. G., 4: 246 Weissberger, A., 3: 249 Weissflog, J., 2: 420 Weissmann, H., 2: 18 Wellensiek, S. J., 1: 122, 348; 2: 104 (574)Wellman, F. L., 1: 503 (120) Wells, B. W., 5: 289, 290 Wells, P. A., 4: 143 (108, 163), 145, 153 (100), 172 (99) 153 (100), 172 (99)
Welsford, E. J., 2: 239
Welsh, J. H., 2: 4 (575)
Welton, F. A., 3: 153; 4: 265, 266
Wenck, P. R., 4: 151 (121, 166); 5: 328, 329, 332
Wenger, R., 2: 137, 139
Went, F. A. F. C., 2: 570; 3: 2, 3, 5, 19, 23; 5: 663

Went, F. W., 1: 158, 162; 2: 48, 49 (582), 51, 108 (577), 110, 134 (581), 144 (579); 3: 99 (289), 182, 183, 184, 624 (135); 4: 555; 5: 479, 481, 655, 658, 663, 668 5: 479, 481, 655, 658, 663, 666, 666 (114), 673 Wentz, J. B., 4: 246 Wergin, W., 4: 283, 330–333, 356 Werkman, C. H., 4: 140 (64) Werner, H. O., 2: 125; 3: 158, 159 (290), 160, 267 Werth, E., 4: 22 Wertz, E., 4: 119, 128 Wesemberg-Lind, C. 3: 411 Wesenberg-Lund, C., 3: 411
West, C., 1: 254, 258; 3: 474, 560
(23); 4: 69, 432
West, G., 4: 26
West, G., 4: 26 West, P. M., 3: 392 Westall, R. G., 3: 141 (36) Westbrook, M. A., 4: 92 Westenberg, J., 3: 61 Westgate, J. M., 3: 213 (406) Weston, W. A. R. D., 2: 105, 514 (132); 4: 167, 174 (172) Weston, W. H., 1: 331, 343 weston, W. H., 1: 331, 343 Westveld, R. H., 5: 186 Wethrow, R. B., 4: 605 (404a) Wettstein, F., 1: 270, 271, 275 (58), 276 (57, 58), 279 (58, 60, 62), 280 (58, 61, 62), 281 (58), 282 (57, 58, 60, 61, 64), 283, 284 (66); 2: 207; 4: 117, 119, 120, 128, 586 (392a); 5: 435 5: 435
Wettstein, R., 5: 52, 53, 59, 86, 87, 88
Wetzel, K., 3: 128-130, 143
Wey, H. G., 1: 163 (78), 168, 169
(81), 170 (79, 81), 171 (78)
Weyl, L. H., 5: 191
Weyland, 1: 385, 443, 444, 445 (29);
2: 405 (43, 44), 3: 216 (407), 568, 574-576 (32), 577, 579
Wheeler, N. H., 5: 301 (196)
Wherry, E. T., 3: 462; 5: 189
Whetzel, H. H., 1: 449; 2: 586 (92);
4: 479 4: 479 Whitaker, D. M., 5: 136, 137, 140, 150 Whitaker, T. W., 2: 447, 451; 3: 11, 244, 343, 344, 346; 4: 602 (393); 5: 586 Whitby, G. S., 3: 539 (102) White, A., 3: 539 (102)
White, A., 3: 618
White, D., 4: 224, 226, 231
White, J., 4: 587 (394)
White, M. J. D., 2: 533; 4: 593
(395); 5: 566
White, P. R., 2: 419; 3: 629
White, P. S., 481 White, R., 5: 481 White, V. B., 3: 219 (309), 309 (79), 628, 630

White, W., 2: 382 (35) Whitehead, F. E., 5: 295 Whitehead, H. R., 3: 517 Whitehead, T., 1: 2 (87), 5 (87), 7 (87); 2: 176 (169)
Whitford, L. A., 2: 463
Whitley, E., 2: 14 (333)
Whitman, R. C., 2: 448
Whitman, W., 4: 55, 56, 57, 72, 75
Whyte, R. O., 2: 37 (585); 4: 592
Wickens, G. M., 2: 263 (142)
Wickens, G. C., 2: 180 (117)
Wiebols, G. L. W., 3: 507
Wieland, G. R., 1: 87 (100, 101), 187, 191; 2: 71 (21, 22), 78, 404 (78, 79), 406 (77), 409 (76, 77), 411 (76) (87); 2: 176 (169) (76)Wieler, A., 4: 523 Wieringa, K. T., 1: 412 (123); 3: Wieser, G., 2: 47 (586) Wiesmann, R., 1: 501 (121), 504 (121)Wiesner, J., 3: 18; 5: 292 (251), 655 (117), 656 (117) Wiersum, L. K., 4: 599, 601 (192) Wigand, A., 3: 18 Wiggans, R. G., 3: 205 (408), 213 Wiggans, R. G., 3: 205 (408), 213 (408, 409)
Wight, R., 4: 24, 34
Wigoder, S. B., 5: 2, 22 (231), 25 (232), 26 (232)
Wijkman, N., 4: 147 (143, 144, 167)
Wilbrink, G., 4: 435
Wilcox, E. V., 2: 393
Wilcox, J., 5: 297 (171)
Wilcox, L. V., 2: 177 (143)
Wilcox, L. V., 2: 177 (143)
Wilcoxon, F., 2: 589 (93, 94), 593 (67, 95), 594 (96); 5: 483
Wild, A. S., 2: 184 (163)
Wilders, E., 3: 617, 618
Wilénsky, H., 5: 512, 513, 514 (13)
Wilfarth, H., 3: 201 (410), 204; 4: Wilfarth, H., 3: 201 (410), 204; 4: Wilhelm, K., 4: 570 (144); 5: 374, 375, 381, 383, 384, 385, 387, 389, 391, 392, 394, 408-410, 413-415
Wilhelm, P., 1: 122, 499 (122), 506 (122), 2: 267 Wilhelmy, E., 5: 9 (317) Wilke, H., 1: 139 Wilkins, F. S., 3: 196 (411), 199 (411)Wilkins, H. L., 3: 209 (386) Will, H., 5: 375, 401, 406 Willaman, J. J., 1: 251, 252; 2: 254 (144), 487, 489; 3: 621 Wille, N., 5: 406 Williams, C. B., 2: 179 (164); 5: 303

Williams, Maude, 5: 23 (318, 319) Williams, May M., 4: 134 (38) Williams, P. S., 5: 149 Williams, R., 3: 616, 618, 619, 620, 622, 623, 624, 627, 628, 629; 5: 213 (85)Williams, P. D., 3: 609; 4: 281, 304, 305 Williams, R. J., 3: 218 (412), 391; 4: 484 (79); 5: 328, 329 (40), 335 (40), 338, 339 Williams, O. B., 1: 410 Williams, S., 1: 419 Williamson, W. C., 4: 208, 220 Willis, L. G., 2: 174, 179 (167), 182 (166); 3: 114 (292), 210 (413); 4: 184 Willison, R. S., 2: 255 Willstätter, R., 2: 6; 3: 15; 4: 188 Wilstatter, R., 2: 6; 3: 15; 4: 188
Wilson, B. D., 3: 196 (416), 198
(416), 212 (416)
Wilson, C. L., 1: 82, 83; 5: 97, 423,
464 (64), 466
Wilson, E. B., 1: 19 (55), 31; 2: 536
(117); 5: 139, 582, 602, 609
Wilson, E. E., 1: 501 (123); 4: 169,
172, 173 (173)
Wilson, G. S., 3: 500 (71): 4: 636 Wilson, G. S., 3: 500 (71); 4: 636, Wilson, H. F., 5: 296, 297
Wilson, J. D., 1: 497; 2: 510 (133), 516 (133), 517 (133), 590 (97-100)
Wilson, J. K., 3: 196 (416), 198 (416), 201 (235), 212 (416)
Wilson, L. B., 2: 187 (168)
Wilson, L. B., 2: 187 (168)
Wilson, L. R., 1: 42; 5: 649
Wilson, P. W., 3: 209 (177), 211 (126, 414), 212 (281, 414), 213 (15), 365, 517 (1); 4: 376
Wilton, O. C., 4: 592 (397)
Wiltshire, S. P., 1: 504, 506 (125); 2: 246, 256 (146); 4: 169
Wimmer, G., 3: 201 (410); 4: 191 (72), 192, 195
Wingard, S. A., 1: 345, 347; 2: 177 (122), 187 (122), 518 (26)
Winge, O., 1: 111, 112, 277 (68), 414 (125); 2: 449; 4: 583 (398-401), 604 648 Winiwater, H. V., 2: 450 Winkelmann, A., 2: 503 (134) Winkler, H., 2: 108 (589), 200 (53), 351, 420, 421; 3: 547, 553 (41), 560; 5: 433 Windows H. F. 4. 8 Winlock, H. E., 4: 8 Winogradow, A. P., 4: 585 (103) Winogradsky, C., 2: 490; 3: 216, 382 Winogradsky, H., 3: 293, 399 Winogradsky, S., 3: 367, 382, 399;

Winslow, C. E. A., 4: 96, 107 Winterstein, E., 3: 88 (230) Winton, D., 2: 202 (54), 207; 4: 298, 302, 303 Wisniewska, Eva. 2: 342 Wisniewski, T., 3: 607 Wisselingh, C., 2: 462, 463; 3: 18; 4: 95 Withrow, A. P., 5: 550, 552 Withrow, R. B., 1: 366 (182), 368 (181), 370; 2: 137, 138 (171), 139; 3: 268; 4: 596 (22) Withycombe, C. L., 5: 303 (254), 304, 306
Witsch, H., 3: 189 (64)
Witschi, E., 4: 601 (402-404)
Witt, W., 4: 407 (160), 417 (160)
Wittrock, V. B., 3: 474, 475
Wladimirow, G. E., 4: 585 (103)
Wodehouse, R. P., 2: 67, 399; 3: 8, 10, 344; 4: 379 (51); 5: 628, 634, 636, 637, 642
Wohllebe, H., 3: 201 (418)
Woithe, F., 4: 91
Wolanski, A., 4: 585
Wolcott, G. B., 5: 566, 604 304, 306 Wolcott, G. B., 5: 566, 604 Wolf, F. A., 1: 332, 500 (126); 4: Wolf, H., 4: 143 (12) Wolff, H., 3: 216 (419, 420) Wolff, L. K., 5: 212, 229 'Wolfson, A. M., 1: 284 (69), 285 (69)
Wollman, E., 3: 513, 514
Woo, M. L., 3: 103
Wood, A. K., 4: 632
Wood, E. J. F., 4: 551, 569 (145)
Wood, F. C., 4: 404 (161), 415 (162)
Wood, J. G., 3: 92 (296), 97, 98, 130;
5: 555, 556
Wood, J. I., 3: 277
Wood, R. W., 2: 5 (592), 50 (592)
Woodbridge, M. E., 5: 512
Woodhead, T. W., 5: 648
Woodman, H. E., 3: 88 (297) (69)Woodman, H. E., 3: 88 (297) Woodroof, N. C., 2: 514 (135), 517 (135)Woodruff, W. M., 3: 129 Woods, H., 3: 623 Woods, M. W., 4: 562; 5: 581, 582, 603 603
Woodson, R. E., 3: 336, 601; 5: 105, 108, 112 (86)
Woodward, T. E., 3: 205 (333)
Woolman, H. M., 2: 498 (136)
Work, P., 2: 29 (593)
Wormald, H., 1: 407 (127, 129); 2: 241 (147); 3: 559 (42)
Wormall, A., 3: 201 (300)

Woronin, H., 3: 475; 5: 441, 442 Worsdell, W. C., 1: 87 Wray, J., 3: 14 Wright, M., 3: 628 Wright, R. C., 3: 205 (197) Wright, W. H., 4: 629, 638, 639, 643, 644, 650-652, 655 Wright, S., 1: 242 Wulff, H., 5: 352, 359 Wünschendroff, M., 4: 144 (168), Wunschendroff, M., 4: 144 (168), 146 (168), 156
Wurdack, M. E., 2: 462
Wurmser, R., 4: 585 (282); 5: 328
Wyatt, F. A., 3: 197 (421)
Wyckoff, R. W. G., 4: 103; 5: 11 (320, 321); 12, 19 (321), 149
Wylie, R. B., 4: 35
Wynd, F. L., 2: 188 (170)

Yabuta, T., 4: 146 (170), 153, 492 Yakushevskaya, O. P., 5: 520, 521 Yamagata, S., 5: 328, 332 Yamaguchi, S., 3: 151 Yamaha, G., 5: 352, 355, 587 Yamamoto, J., 4: 99 Yamamotohi, S., 5: 434, 439, 445, 448 Yamasaki, M., 4: 590 (407), 591 Yamasaki, Y., 1: 483 Yamashita, K., 1: 469 (125), 480 (125)Yamauti, K., 4: 418 (114) Yampolski, C., 4: 583 (409-413), 593 (412), 597, 600, 602 (408-410) Yang, J., 4: 628 Yanovski, E., 4: 14 Yarbrough, J. A., 2: 353, 356 (68), 357 (68); 3: 466 Yarkovaja, L. M., 4: 600 (61), 601 (61)Yarnell, S. H., 1: 103, 109; 4: 295, 333 Yarwood, C. E., 2: 268 Yasuda, S., 4: 282, 286, 593, 604 (417, 419, 420) Yasui, K., 3: 247, 252 (64): 5: 27 (322)Yin, H. C., 5: 669, 670 Yokota, Y., 2: 24, 25 (238) Yorston, F. H., 3: 539 (102) Yorston, F. H., 3: 539 (102) Yoshii, H., 1: 407 (47) Yoshii, Y., 2: 136 (594) Yoshimira, F., 5: 211 (150), 215, 224 (150), 227, 228, 230 (151), 337 Young, H. C., 2: 510 (1), 516 (1), 589 (101), 591 (102), 596 (102); 4: 171 (178); 5: 328, 332 Young, P. A., 2: 259 Young, V. H., 2: 505 (137), 507

(81), 510 (137), 521 (81); 4: 170 (180), 171 (179), 172 (180)
Yuasa, A., 5: 477, 586, 604
Yuill, J. L., 4: 144 (59), 146 (59), 147 (172)
Yvoire, M. de Baron d', 4: 419 (163)

Zablocki, J., 2: 399 (82)
Zacharias, E., 4: 465
Zacharowa, T. M., 1: 358 (183)
Zachau, A., 3: 436
Zade, A., 2: 520 (138, 139)
Zahl, S., 4: 97, 98
Zaleski, K., 1: 412 (130)
Zaleski, W., 3: 88, 91 (300), 93 (299, 302)
Zamelis, A., 3: 609
Zanoni, G., 4: 587
Zarubailo, T. J., 4: 595 (184, 423)
Zasukhin, D. N., 4: 91, 92
Zederbauer, E., 4: 23
Zehner, M. G., 2: 499 (122, 126)
Zeiger, K., 5: 586
Zeleny, L., 3: 88 (303), 112 (303)
Zeller, A., 2: 6 (596)
Zeller, S. M., 4: 168, 172 (181)
Zellner, J., 4: 149 (173), 151 (173), 155 (63)
Zemcuznikov, E., 1: 361 (184)
Zemiuk, A. V., 2: 180 (171)
Zerling, V. V., 4: 595 (424)
Zettnow, E., 4: 94, 99
Zhelochovtsev, A. N., 2: 133
Zhukovsky, P. M., 1: 471
Ziegenspeck, H., 1: 139
Zielensky, F., 3: 178
Ziese, W., 1: 413 (52, 53)
Zikmunda, E., 4: 149 (173), 151

Zillich, R., 2: 114 (597), 117 (597)
Zillig, H., 1: 123
Zilva, C., 3: 625
Zimmer, K. G., 5: 9 (317), 12, 17
Zimmerman, P. W., 2: 124 (598);
3: 159 (304), 160, 319 (117); 4:
599, 600 (425); 5: 482–488
Zimmermann, A., 3: 462, 463, 482,
529, 533, 536; 5: 399
Zimmermann, F., 1: 445 (17)
Zimmermann, W., 1: 383 (63), 385,
386, 387, 388 (63), 393, 395, 399,
429, 430, 431, 435 (52), 436, 441
(52), 443; 3: 127, 185, 188, 189,
570, 572; 4: 133 (41); 5: 135, 147
Zimmermann, W. A., 2: 352; 5: 457
(65), 459 (65)
Zinnecker, E., 4: 134 (40)
Zinsser, H., 2: 104 (599); 3: 501
(79), 508
Zinzadse, C., 3: 102
Zipfel, H., 3: 213 (422)
Zirkle, C, 2: 350; 3: 1, 248; 4: 503,
504; 5: 141, 410, 455 (66)
Zirkle, R. E., 5: 16 (323, 324), 24
Zirovec, O., 2: 91 (27)
Zlataroff, A., 2: 179 (173), 184 (172)
Zollikofer, C., 1: 167 (82)
Zon, R., 5: 160, 161
Zondek, B., 3: 631
Zopf, W., 3: 354; 4: 480
Zotov, V. D., 4: 602 (4)
Zscheile, F. P., 2: 47 (322); 3: 313
(18)
Zuckerman, R. V., 4: 408 (86)
Zweibaum, J., 5: 362
Zweigelt, F., 5: 288 (257), 290
Zwetkoff, E. S., 4: 140 (77)
Zycha, H., 2: 20; 3: 370